

**REMEDIAL INVESTIGATION REPORT  
STUART-OLVER-HOLTZ SITE  
HENRIETTA, NEW YORK**

NYSDEC SITE NO. 8-28-079

Volume 2 of 2

**PREPARED FOR:**

New York State Department of Environmental Conservation  
Albany, New York

and

TAMS Consultants, Inc.  
Clifton Park, New York

**PREPARED BY:**

GZA GeoEnvironmental of New York  
Rochester, New York

September 1996

File: 19078.1

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**APPENDIX A**  
**SUBSURFACE EXPLORATION LOGS**

**Test Boring Logs**  
**Prepared by**  
**GZA GeoEnvironmental of New York**

|                                                                                                                                                       |  |  |  |                                                                                                                                                                                                              |  |                                                                                                                                     |  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-------------------------------------------------------------------------------------------------------------------------------------|--|
| <b>GZA GEOENVIRONMENTAL OF NEW YORK</b><br>364 NAGEL DRIVE, BUFFALO, NEW YORK<br>ENGINEERS AND SCIENTISTS                                             |  |  |  | <b>PROJECT</b><br><u>Stuart-Oliver-Holtz</u><br><u>Rochester New York</u>                                                                                                                                    |  | <b>BORING No.</b> <u>SB-1</u><br><b>SHEET</b> <u>1</u> OF <u>2</u><br><b>FILE No.</b> <u>19078.10</u><br><b>CHKD. BY</b> <u>GJK</u> |  |
| <b>CONTRACTOR</b> <u>Nothnagle Drilling</u><br><b>DRILLER</b> <u>Steve Lorantz</u><br><b>GZA GEOENVIRONMENTAL REPRESENTATIVE</b> <u>Dave Belaskas</u> |  |  |  | <b>BORING LOCATION</b> <u>N1123840.59, E751613.22 (NYSPEC)</u><br><b>GROUND SURFACE ELEVATION</b> <u>533.7</u> <b>DATUM</b> <u>NGVD</u><br><b>START DATE</b> <u>10/18/94</u> <b>END DATE</b> <u>10/18/94</u> |  |                                                                                                                                     |  |

|                                                                                                                                                                                                                                                     |  |  |  |  |                         |      |       |        |                     |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|-------------------------|------|-------|--------|---------------------|
| <b>TYPE OF DRILL RIG</b> <u>Gus Pech - 750C</u><br><b>CASING SIZE AND TYPE</b> <u>2-1/4 inch ID HSA</u><br><b>OVERBURDEN SAMPLING METHOD</b> <u>2 inch OD x 24 inch long</u><br><u>split spoon (ASTM 1586)</u><br><b>ROCK DRILLING METHOD</b> _____ |  |  |  |  | <b>WATER LEVEL DATA</b> |      |       |        |                     |
|                                                                                                                                                                                                                                                     |  |  |  |  | DATE                    | TIME | WATER | CASING | REMARKS             |
|                                                                                                                                                                                                                                                     |  |  |  |  | 10/18/94                | 1230 | DRY   | 12'    | Stabilized 2 hrs    |
|                                                                                                                                                                                                                                                     |  |  |  |  | 10/18/94                | 1400 | DRY   | 28'    | Stabilized 10 mins. |

| DEPTH | SAMPLE        |     |                |                    |                 | SAMPLE DESCRIPTION                                                                               | (1)<br>Peak<br>OVM<br>Read<br>(PPM) | EQUIPMENT<br>INSTALLATION<br>LOG          | NOTES |
|-------|---------------|-----|----------------|--------------------|-----------------|--------------------------------------------------------------------------------------------------|-------------------------------------|-------------------------------------------|-------|
|       | BLOWS<br>/ 6" | NO. | DEPTH<br>(FT.) | N-VALUE<br>/RQD(%) | RECOVERY<br>(%) |                                                                                                  |                                     |                                           |       |
| 1     | 2             | S-1 | 0-2            | 10                 | 25              | Medium Dense, brown, fine to coarse SAND little clayey silt, trace Gravel moist, fabric at 0.3'. | 1                                   | ← Cement/Bentonite grout from GS to 30.0' |       |
|       | 4             |     |                |                    |                 |                                                                                                  |                                     |                                           |       |
|       | 6             |     |                |                    |                 |                                                                                                  |                                     |                                           |       |
| 2     | 6             |     |                |                    |                 | [FILL] 1.7'                                                                                      |                                     |                                           |       |
|       | 4             | S-2 | 2-4            | 15                 | 45              | Stiff, brown, CLAY & SILT, little fine Sand, moist.                                              | ND                                  |                                           |       |
|       | 6             |     |                |                    |                 |                                                                                                  |                                     |                                           |       |
| 3     | 9             |     |                |                    |                 |                                                                                                  |                                     |                                           |       |
|       | 9             |     |                |                    |                 |                                                                                                  |                                     |                                           |       |
|       | 6             | S-3 | 4-6            | 38                 | 75              | [LACUSTRINE] grades hard. 4.6'                                                                   | ND                                  |                                           |       |
| 5     | 16            |     |                |                    |                 |                                                                                                  |                                     |                                           |       |
|       | 22            |     |                |                    |                 | Dense, brown fine to coarse SAND and Clayey SILT, little Gravel, moist.                          |                                     |                                           |       |
|       | 26            |     |                |                    |                 |                                                                                                  |                                     |                                           |       |
| 6     | 9             | S-4 | 6-8            | 35                 | 100             | [UPPER TILL] same.                                                                               | ND                                  |                                           |       |
|       | 16            |     |                |                    |                 |                                                                                                  |                                     |                                           |       |
|       | 19            |     |                |                    |                 |                                                                                                  |                                     |                                           |       |
| 8     | 20            |     |                |                    |                 |                                                                                                  |                                     |                                           |       |
|       | 10            | S-5 | 8-10           | 63                 | 95              | grades very dense, wet.                                                                          | ND                                  |                                           |       |
|       | 30            |     |                |                    |                 |                                                                                                  |                                     |                                           |       |
| 9     | 33            |     |                |                    |                 | [UPPER TILL]                                                                                     |                                     |                                           |       |
|       | 20            |     |                |                    |                 |                                                                                                  |                                     |                                           |       |
|       | 11            | S-6 | 10-12          | 48                 | 100             | Dense, brown fine to coarse SAND and SILT, little fine Gravel.                                   | 1                                   |                                           |       |
| 11    | 13            |     |                |                    |                 |                                                                                                  |                                     |                                           |       |
|       | 35            |     |                |                    |                 |                                                                                                  |                                     |                                           |       |
|       | 53            |     |                |                    |                 |                                                                                                  |                                     |                                           |       |
| 12    | 25            | S-7 | 12-12.9        | >100               | 100             | grades to moist.                                                                                 | ND                                  |                                           |       |
|       | 100/4"        |     |                |                    |                 |                                                                                                  |                                     |                                           |       |
|       |               |     |                |                    |                 |                                                                                                  |                                     |                                           |       |
| 14    | 25            | S-8 | 14-15.4        | >100               | 75              | grades to trace Clayey Silt, moist.                                                              | ND                                  |                                           |       |
|       | 47            |     |                |                    |                 |                                                                                                  |                                     |                                           |       |
|       | 100/4"        |     |                |                    |                 |                                                                                                  |                                     |                                           |       |
| 15    |               |     |                |                    |                 | [UPPER TILL]                                                                                     |                                     |                                           |       |
|       |               |     |                |                    |                 |                                                                                                  |                                     |                                           |       |
|       |               |     |                |                    |                 |                                                                                                  |                                     |                                           |       |
| 16    | 19            | S-9 | 16-18          | 77                 | 85              | grades to little Silt, moist.                                                                    |                                     |                                           |       |
|       |               |     |                |                    |                 |                                                                                                  |                                     |                                           |       |

|                                                                                                     |                                                                                                                                          |
|-----------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|
| <b>LEGEND</b><br>S - Split Spoon Soil Sample<br>U - Undisturbed Soil Sample<br>C - Rock Core Sample | <b>NOTES:</b> (1) Organic Vapor Meter (OVM) reading of headspace using HNu PI-101 photoionization detector. ND=not detected above 1 ppm. |
|-----------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|

|                                                                                                                                                                                                                                                                                                                         |                        |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|
| <b>GENERAL</b> 1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.<br>2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER MAY OCCUR DUE TO OTHER FACTORS THAN THOSE PRESENT AT THE TIME MEASUREMENTS WERE MADE. |                        |
| GZA                                                                                                                                                                                                                                                                                                                     | BORING No. <u>SB-1</u> |



GZA GEOENVIRONMENTAL OF NEW YORK  
364 NAGEL DRIVE, BUFFALO, NEW YORK

ENGINEERS AND SCIENTISTS

PROJECT  
Stuart-Oliver-Holtz  
Rochester, New York

BORING No. SB-1  
SHEET 2 OF 2  
FILE No. 19078.10  
CHKD. BY GJK

| DEPTH | SAMPLE        |      |                |                    |                 | SAMPLE DESCRIPTION                                                            | (1)<br>Peak<br>OVM<br>Read<br>(PPM) | EQUIPMENT<br>INSTALLATION<br>LOG | NOTES                                   |
|-------|---------------|------|----------------|--------------------|-----------------|-------------------------------------------------------------------------------|-------------------------------------|----------------------------------|-----------------------------------------|
|       | BLOWS<br>/ 6" | NO.  | DEPTH<br>(FT.) | N-VALUE<br>/RQD(%) | RECOVERY<br>(%) |                                                                               |                                     |                                  |                                         |
| 17    | 37            |      |                |                    |                 | Very Dense, brown, fine to coarse SAND, some clayey silt, trace Gravel moist. | ND                                  |                                  | Cement/Bentonite grout from GS to 30.0' |
|       | 40            |      |                |                    |                 |                                                                               |                                     |                                  |                                         |
|       | 42            |      |                |                    |                 |                                                                               |                                     |                                  |                                         |
| 18    | 26            | S-10 | 18-19          | >100               | 100             | Same grades to little Silt & Clay.                                            | ND                                  |                                  |                                         |
| 19    | 100/6'        |      |                |                    |                 |                                                                               |                                     |                                  |                                         |
|       |               |      |                |                    |                 |                                                                               |                                     |                                  |                                         |
| 20    | 29            | S-11 | 20-22          | 60                 | 90              | [UPPER TILL] 22.0'                                                            | ND                                  |                                  |                                         |
|       | 30            |      |                |                    |                 |                                                                               |                                     |                                  |                                         |
|       | 30            |      |                |                    |                 |                                                                               |                                     |                                  |                                         |
| 21    | 47            |      |                |                    |                 | Very Dense, brown, and Clayey SILT, little Gravel, moist.                     | 2                                   |                                  |                                         |
| 22    | 29            | S-12 | 22-23          | >100               | 80              |                                                                               |                                     |                                  |                                         |
|       | 100/0.5'      |      |                |                    |                 |                                                                               |                                     |                                  |                                         |
| 23    |               |      |                |                    |                 | [LOWER TILL]                                                                  |                                     |                                  |                                         |
|       |               |      |                |                    |                 |                                                                               |                                     |                                  |                                         |
|       |               |      |                |                    |                 |                                                                               |                                     |                                  |                                         |
| 24    | 14            | S-14 | 24-26          | >100               | 70              | same.                                                                         | ND                                  |                                  |                                         |
|       | 31            |      |                |                    |                 |                                                                               |                                     |                                  |                                         |
|       | 71            |      |                |                    |                 |                                                                               |                                     |                                  |                                         |
| 25    | 60            |      |                |                    |                 | same.                                                                         | ND                                  |                                  |                                         |
| 26    | 20            | S-14 | 26.27.3        | >100               | 85              |                                                                               |                                     |                                  |                                         |
|       | 37            |      |                |                    |                 |                                                                               |                                     |                                  |                                         |
| 27    | 100/0         | 3'   |                |                    |                 | [LOWER TILL]                                                                  |                                     |                                  |                                         |
|       |               |      |                |                    |                 |                                                                               |                                     |                                  |                                         |
|       |               |      |                |                    |                 |                                                                               |                                     |                                  |                                         |
| 28    | 18            | S-15 | 28-30          | 81                 | 100             | same.                                                                         | ND                                  |                                  |                                         |
|       | 35            |      |                |                    |                 |                                                                               |                                     |                                  |                                         |
|       | 46            |      |                |                    |                 |                                                                               |                                     |                                  |                                         |
| 29    | 50            |      |                |                    |                 | [LOWER TILL]                                                                  |                                     |                                  |                                         |
|       |               |      |                |                    |                 |                                                                               |                                     |                                  |                                         |
|       |               |      |                |                    |                 |                                                                               |                                     |                                  |                                         |
| 30    |               |      |                |                    |                 | Bottom of Boring at 30.0 ft.                                                  |                                     |                                  |                                         |
|       |               |      |                |                    |                 |                                                                               |                                     |                                  |                                         |
|       |               |      |                |                    |                 |                                                                               |                                     |                                  |                                         |
|       |               |      |                |                    |                 |                                                                               |                                     |                                  |                                         |
|       |               |      |                |                    |                 |                                                                               |                                     |                                  |                                         |
|       |               |      |                |                    |                 |                                                                               |                                     |                                  |                                         |
|       |               |      |                |                    |                 |                                                                               |                                     |                                  |                                         |
|       |               |      |                |                    |                 |                                                                               |                                     |                                  |                                         |
|       |               |      |                |                    |                 |                                                                               |                                     |                                  |                                         |
|       |               |      |                |                    |                 |                                                                               |                                     |                                  |                                         |

LEGEND  
S - Split Spoon Soil Sample  
U - Undisturbed Soil Sample  
C - Rock Core Sample

NOTES: (1) Organic Vapor Meter (OVM) reading of headspace H-NU P1-101 photoionization detector. ND=not detected above 1 ppm.

GENERAL 1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.  
NOTES: 2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER MAY OCCUR DUE TO OTHER FACTORS THAN THOSE PRESENT AT THE TIME MEASUREMENTS WERE MADE.

GZA

BORING No. SB-1

GZA GEOENVIRONMENTAL OF NEW YORK  
364 NAGEL DRIVE, BUFFALO, NEW YORK

ENGINEERS AND SCIENTISTS

PROJECT  
Stuart-Oliver-Holtz  
Rochester New York

BORING No. SB-2  
SHEET 1 OF 2  
FILE No. 19078.10  
CHKD. BY GJK

CONTRACTOR Nothnagle Drilling  
DRILLER Jay Stockholm  
GZA GEOENVIRONMENTAL REPRESENTATIVE Dave Belaskas

BORING LOCATION N1123683.26, E751554.41 (NYSPEC)  
GROUND SURFACE ELEVATION 533.4 DATUM NAVD  
START DATE 10/17/94 END DATE 10/17/94

TYPE OF DRILL RIG CME-75  
CASING SIZE AND TYPE 2-1/4 inch ID HSA  
OVERBURDEN SAMPLING METHOD 2 inch OD x 24 inch long  
split spoon (ASTM 1586)  
ROCK DRILLING METHOD

WATER LEVEL DATA

| DATE     | TIME | WATER | CASING | REMARKS             |
|----------|------|-------|--------|---------------------|
| 10/17/94 | 1400 | 11'   | 18'    | Stabilized 0.5 hrs. |
| 10/17/94 | 1500 | dry   | 25'    | Stabilized 10 mins. |

| DEPTH<br>H | SAMPLE        |     |                |                    |                 | SAMPLE DESCRIPTION                                                                                     | (1)<br>Peak<br>OVM<br>Read<br>(PPM) | EQUIPMENT    |     | NOTES                                      |
|------------|---------------|-----|----------------|--------------------|-----------------|--------------------------------------------------------------------------------------------------------|-------------------------------------|--------------|-----|--------------------------------------------|
|            | BLOWS<br>/ 6" | NO. | DEPTH<br>(FT.) | N-VALUE<br>/RQD(%) | RECOVERY<br>(%) |                                                                                                        |                                     | INSTALLATION | LOG |                                            |
| 1          | 3             | S-1 | 0-2            | 10                 | 45              | Medium Dense, gray to brown,<br>fine to coarse SAND, little<br>clayey Silt, trace Gravel,<br>moist.    | ND                                  |              |     | Cement/Bentonite grout<br>from GS to 24.9' |
|            | 4             |     |                |                    |                 |                                                                                                        |                                     |              |     |                                            |
|            | 6             |     |                |                    |                 |                                                                                                        |                                     |              |     |                                            |
| 2          | 7             |     |                |                    |                 |                                                                                                        |                                     |              |     |                                            |
|            | 8             | S-2 | 2-4            | 28                 | 0               | No recovery.                                                                                           | ND                                  |              |     |                                            |
|            | 11            |     |                |                    |                 | [FILL]                                                                                                 |                                     |              |     |                                            |
| 3          | 17            |     |                |                    |                 |                                                                                                        |                                     |              |     |                                            |
|            | 24            |     |                |                    |                 |                                                                                                        |                                     |              |     |                                            |
| 4          | 5             | S-3 | 4-6            | 23                 | 85              | grades wet.                                                                                            | ND                                  |              |     |                                            |
|            | 9             |     |                |                    |                 |                                                                                                        |                                     |              |     |                                            |
| 5          | 14            |     |                |                    |                 |                                                                                                        |                                     |              |     |                                            |
|            | 17            |     |                |                    |                 |                                                                                                        |                                     |              |     |                                            |
| 6          | 7             | S-4 | 6-8            | 26                 | 100             | Same.                                                                                                  | ND                                  |              |     |                                            |
|            | 12            |     |                |                    |                 | [FILL] 6.8'                                                                                            |                                     |              |     |                                            |
| 7          | 14            |     |                |                    |                 | Medium dense, brown, fine to<br>coarse SAND, some clayey<br>Silt, some Gravel, wet.                    | ND                                  |              |     |                                            |
|            | 17            |     |                |                    |                 |                                                                                                        |                                     |              |     |                                            |
| 8          | 9             | S-5 | 8-10           | 31                 | 85              | [UPPER TILL]<br>Dense, brown fine to coarse<br>SAND, some Silt, some fine<br>to coarse Gravel, wet.    | 1                                   |              |     |                                            |
|            | 13            |     |                |                    |                 |                                                                                                        |                                     |              |     |                                            |
| 9          | 18            |     |                |                    |                 |                                                                                                        |                                     |              |     |                                            |
|            | 17            |     |                |                    |                 |                                                                                                        |                                     |              |     |                                            |
| 10         | 20            | S-6 | 10-12          | 88                 | 90              | grades very dense, wet.<br>(SAND STRATUM 6.8 to 11.8 ft.)                                              | 1                                   |              |     |                                            |
|            | 31            |     |                |                    |                 |                                                                                                        |                                     |              |     |                                            |
| 11         | 57            |     |                |                    |                 |                                                                                                        |                                     |              |     |                                            |
|            | 62            |     |                |                    |                 |                                                                                                        |                                     |              |     |                                            |
| 12         | 38            | S-7 | 12-13          | >100               | 75              | Very Dense, brown to grey<br>fine to coarse SAND, trace<br>clayey Silt, trace Gravel,<br>moist to wet. | ND                                  |              |     |                                            |
|            | 100/0         | 5'  |                |                    |                 |                                                                                                        |                                     |              |     |                                            |
| 13         |               |     |                |                    |                 |                                                                                                        |                                     |              |     |                                            |
|            |               |     |                |                    |                 |                                                                                                        |                                     |              |     |                                            |
| 14         | 32            | S-8 | 14-15.4        | >100               | 65              | same.                                                                                                  | ND                                  |              |     |                                            |
|            | 53            |     |                |                    |                 | [UPPER TILL]                                                                                           |                                     |              |     |                                            |
| 15         | 100/0         | 4'  |                |                    |                 |                                                                                                        |                                     |              |     |                                            |
|            |               |     |                |                    |                 |                                                                                                        |                                     |              |     |                                            |
| 16         | 64            | S-9 | 16-17          | >100               | 100             | same.                                                                                                  |                                     |              |     |                                            |

LEGEND

S - Split Spoon Soil Sample  
U - Undisturbed Soil Sample  
C - Rock Core Sample

NOTES: (1) Organic Vapor Meter (OVM) reading of headspace using HNu PI-101  
photoionization detector. ND=not detected above 1 ppm.

GENERAL 1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.  
NOTES: 2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER  
MAY OCCUR DUE TO OTHER FACTORS THAN THOSE PRESENT AT THE TIME MEASUREMENTS WERE MADE.

GZA

BORING No. SB-2



GZA GEGENVIRONMENTAL OF NEW YORK  
364 NAGEL DRIVE, BUFFALO, NEW YORK  
ENGINEERS AND SCIENTISTS

PROJECT  
Stuart-Oliver-Holtz  
Rochester New York

BORING No. SB-3  
SHEET 1 OF 3  
FILE No. 19078.10  
CHKD. BY GJK

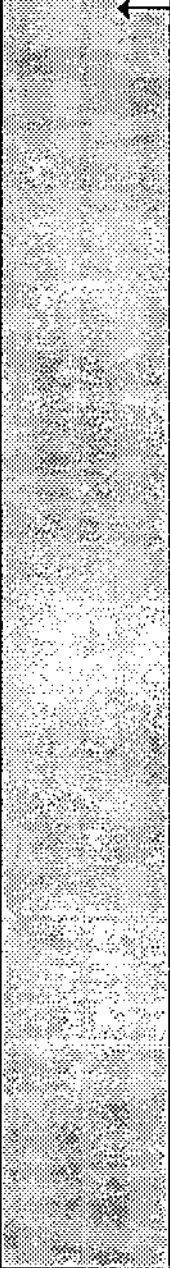
CONTRACTOR Nothnagle Drilling  
DRILLER Steve Lorantz  
GZA GEGENVIRONMENTAL REPRESENTATIVE Dave Belaskas

BORING LOCATION N1123960.97, E751507.78 (NYSPEC)  
GROUND SURFACE ELEVATION 528.5 DATUM NAVD  
START DATE 10/05/94 END DATE 10/05/94

TYPE OF DRILL RIG Gus Pech - 750C  
CASING SIZE AND TYPE 2-1/4 inch ID HSA  
OVERBURDEN SAMPLING METHOD 2 inch OD x 24 inch long  
split spoon (ASTM 1586)  
ROCK DRILLING METHOD

WATER LEVEL DATA

| DATE     | TIME | WATER | CASING | REMARKS             |
|----------|------|-------|--------|---------------------|
| 10/15/94 | 1510 | 39'   | 50'    | Stabilized 15 mins. |
|          |      |       |        |                     |
|          |      |       |        |                     |

| DEPTH | SAMPLE        |     |                |                      |                 | SAMPLE DESCRIPTION                                                                                    | (1)<br>Peak<br>OVM<br>Read<br>(PPM) | EQUIPMENT<br>INSTALLATION<br>LOG                                                     | NOTES                                      |
|-------|---------------|-----|----------------|----------------------|-----------------|-------------------------------------------------------------------------------------------------------|-------------------------------------|--------------------------------------------------------------------------------------|--------------------------------------------|
|       | BLOWS<br>/ 6" | NO. | DEPTH<br>(FT.) | N-VALUE<br>/ RQD (%) | RECOVERY<br>(%) |                                                                                                       |                                     |                                                                                      |                                            |
| 1     | 2             | S-1 | 0-2            | 6                    | 50              | 0 to 0.5', top soil.<br>0.05 to 2.0 loose, brown,<br>fine to coarse SAND, some<br>clayey Silt, moist. | ND                                  |  | Cement/Bentonite Grout<br>from GS to 50.4' |
|       | 2             |     |                |                      |                 |                                                                                                       |                                     |                                                                                      |                                            |
|       | 4             |     |                |                      |                 |                                                                                                       |                                     |                                                                                      |                                            |
| 2     | 5             |     |                |                      |                 |                                                                                                       |                                     |                                                                                      |                                            |
|       | 4             | S-2 | 2-4            | 8                    | 80              | grades to fine to medium<br>SAND, little clayey Silt.                                                 | ND                                  |                                                                                      |                                            |
| 3     | 4             |     |                |                      |                 | [FILL]                                                                                                |                                     |                                                                                      |                                            |
|       | 4             |     |                |                      |                 |                                                                                                       |                                     |                                                                                      |                                            |
| 4     | 6             |     |                |                      |                 |                                                                                                       |                                     |                                                                                      |                                            |
|       | 3             | S-3 | 4-6            | 7                    | 40              | grades and Silt & Clay,<br>moist to wet.                                                              | ND                                  |                                                                                      |                                            |
| 5     | 3             |     |                |                      |                 |                                                                                                       |                                     |                                                                                      |                                            |
|       | 4             |     |                |                      |                 |                                                                                                       |                                     |                                                                                      |                                            |
| 6     | 6             |     |                |                      |                 |                                                                                                       |                                     |                                                                                      |                                            |
|       | 4             | S-4 | 6-8            | 12                   | 50              | grades to medium Dense, wet.                                                                          | ND                                  |                                                                                      |                                            |
| 7     | 5             |     |                |                      |                 | [FILL] 7.0'                                                                                           |                                     |                                                                                      |                                            |
|       | 7             |     |                |                      |                 |                                                                                                       |                                     |                                                                                      |                                            |
| 8     | 11            |     |                |                      |                 | Stiff, brown Silty CLAY,<br>trace fine to coarse Sand,<br>trace Gravel, moist.                        |                                     |                                                                                      |                                            |
|       | 4             | S-5 | 8-10           | 14                   | 80              |                                                                                                       | ND                                  |                                                                                      |                                            |
| 9     | 6             |     |                |                      |                 | [LACUSTRINE]                                                                                          |                                     |                                                                                      |                                            |
|       | 8             |     |                |                      |                 |                                                                                                       |                                     |                                                                                      |                                            |
| 10    | 11            |     |                |                      |                 |                                                                                                       |                                     |                                                                                      |                                            |
|       | 4             | S-6 | 10-12          | 12                   | 95              | Stiff brown Silty CLAY, trace<br>fine to coarse Sand, trace<br>fine Gravel.                           | ND                                  |                                                                                      |                                            |
| 11    | 5             |     |                |                      |                 |                                                                                                       |                                     |                                                                                      |                                            |
|       | 7             |     |                |                      |                 |                                                                                                       |                                     |                                                                                      |                                            |
| 12    | 9             |     |                |                      |                 |                                                                                                       |                                     |                                                                                      |                                            |
|       | 2             | S-7 | 12-14          | 16                   | 90              | grades to Very stiff, SILT<br>and CLAY, trace fine to<br>medium Sand, moist to wet.                   | ND                                  |                                                                                      |                                            |
| 13    | 7             |     |                |                      |                 |                                                                                                       |                                     |                                                                                      |                                            |
|       | 9             |     |                |                      |                 |                                                                                                       |                                     |                                                                                      |                                            |
| 14    | 10            |     |                |                      |                 | grades to fine to medium Sand,<br>trace gravel, moist to wet.<br>[LACUSTRINE] 14.0'                   | ND                                  |                                                                                      |                                            |
|       | 4             | S-8 | 14-16          | 23                   | 100             |                                                                                                       |                                     |                                                                                      |                                            |
| 15    | 12            |     |                |                      |                 | Medium dense, grey, fine to<br>coarse SAND, trace clayey<br>Silt, wet.                                |                                     |                                                                                      |                                            |
|       | 11            |     |                |                      |                 | [UPPER TILL]                                                                                          |                                     |                                                                                      |                                            |
| 16    | 11            |     |                |                      |                 |                                                                                                       |                                     |                                                                                      |                                            |
|       | 12            | S-9 | 16-18          | 31                   | 75              | grades to Dense, little<br>clayey Silt, wet.                                                          | ND                                  |                                                                                      |                                            |

LEGEND  
S - Split Spoon Soil Sample  
U - Undisturbed Soil Sample  
C - Rock Core Sample

NOTES: (1) Organic Vapor Meter (OVM) reading of headspace using HNu P1-01  
photoionization detector. ND=not detected above 1 ppm.

GENERAL 1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.  
NOTES: 2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER  
MAY OCCUR DUE TO OTHER FACTORS THAN THOSE PRESENT AT THE TIME MEASUREMENTS WERE MADE.

GZA

BORING No. SB-3

GZA GEOENVIRONMENTAL OF NEW YORK  
364 NAGEL DRIVE, BUFFALO, NEW YORK.

ENGINEERS AND SCIENTISTS

PROJECT  
Stuart-Oliver-Holtz  
Rochester, New York

BORING No. SB-3  
SHEET 2 OF 3  
FILE No. 19078.10  
CHKD. BY GJK

| DEPTH | SAMPLE     |      |             |                 |              | SAMPLE DESCRIPTION                                                                                   | (1) Peak OVM Read (PPM) | EQUIPMENT INSTALLATION LOG | NOTES                                   |
|-------|------------|------|-------------|-----------------|--------------|------------------------------------------------------------------------------------------------------|-------------------------|----------------------------|-----------------------------------------|
|       | BLOWS / 6" | NO.  | DEPTH (FT.) | N-VALUE /RQD(%) | RECOVERY (%) |                                                                                                      |                         |                            |                                         |
| 17    | 13         |      |             |                 |              | [UPPER TILL]                                                                                         | ND                      |                            | Cement/Bentonite grout from GS to 50.4' |
|       | 18         |      |             |                 |              |                                                                                                      |                         |                            |                                         |
|       | 19         |      |             |                 |              |                                                                                                      |                         |                            |                                         |
| 18    | 10         | S-10 | 18-20       | 27              | 75           | Medium dense gray SILT, some fine to medium Sand, trace fine Gravel.                                 | ND                      |                            |                                         |
|       | 15         |      |             |                 |              |                                                                                                      |                         |                            |                                         |
| 19    | 12         |      |             |                 |              |                                                                                                      |                         |                            |                                         |
|       | 9          |      |             |                 |              |                                                                                                      |                         |                            |                                         |
| 20    | 5          | S-11 | 20-22       | 36              | 80           | grades to Dense.                                                                                     | ND                      |                            |                                         |
|       | 16         |      |             |                 |              |                                                                                                      |                         |                            |                                         |
| 21    | 20         |      |             |                 |              | grades to little fine Gravel.                                                                        |                         |                            |                                         |
|       | 11         |      |             |                 |              |                                                                                                      |                         |                            | Cement/Bentonite grout from GS to 50.4' |
| 22    | 7          | S-12 | 22-24       | 35              | 75           | grades to trace fine Gravel, trace clayey Silt.                                                      | ND                      |                            |                                         |
|       | 12         |      |             |                 |              |                                                                                                      |                         |                            |                                         |
| 23    | 23         |      |             |                 |              |                                                                                                      |                         |                            |                                         |
|       | 29         |      |             |                 |              | [UPPER TILL] 24.0'                                                                                   |                         |                            |                                         |
| 24    | 23         | S-13 | 24-25.5     | >100            | 95           | Very dense, grey, fine to coarse SAND, little clayey Silt, trace Gravel, moist.                      | ND                      |                            |                                         |
|       | 39         |      |             |                 |              |                                                                                                      |                         |                            |                                         |
| 25    | 100/0      | 5'   |             |                 |              | [LOWER TILL]                                                                                         |                         |                            |                                         |
|       |            |      |             |                 |              |                                                                                                      |                         |                            |                                         |
| 26    | 37         | S-14 | 26-27       | 94              | 100          | grades to some clayey silt, moist.                                                                   | ND                      |                            |                                         |
|       | 94         |      |             |                 |              |                                                                                                      |                         |                            |                                         |
| 27    |            |      |             |                 |              |                                                                                                      |                         |                            | Cement/Bentonite grout from GS to 50.4' |
|       |            |      |             |                 |              |                                                                                                      |                         |                            |                                         |
| 28    | 25         | S-15 | 28-28.9     | >100            | 100          | Very dense grayish brown SILT and CLAY and fine to coarse SAND, little fine to coarse Gravel, moist. | ND                      |                            |                                         |
|       | 100/0      | 5'   |             |                 |              |                                                                                                      |                         |                            |                                         |
| 29    |            |      |             |                 |              |                                                                                                      |                         |                            |                                         |
|       |            |      |             |                 |              |                                                                                                      |                         |                            |                                         |
| 30    | 100/4      | S-16 | 30-30.4     | >100            | NR           | No recovery.                                                                                         | ND                      |                            |                                         |
|       |            |      |             |                 |              |                                                                                                      |                         |                            |                                         |
| 31    |            |      |             |                 |              |                                                                                                      |                         |                            |                                         |
|       |            |      |             |                 |              |                                                                                                      |                         |                            |                                         |
| 32    |            | S-17 | 32-32.6     | >100            | 100          |                                                                                                      | ND                      |                            | Cement/Bentonite grout from GS to 50.4' |
|       | 100/0      | 4'   |             |                 |              |                                                                                                      |                         |                            |                                         |
| 33    |            |      |             |                 |              |                                                                                                      |                         |                            |                                         |
|       |            |      |             |                 |              |                                                                                                      |                         |                            |                                         |
| 34    | 40         | S-18 | 34-36       | >100            | 100          | same. [LOWER TILL]                                                                                   | ND                      |                            |                                         |
|       | 100/0      | 5'   |             |                 |              |                                                                                                      |                         |                            |                                         |
| 35    |            |      |             |                 |              |                                                                                                      |                         |                            |                                         |
|       |            |      |             |                 |              |                                                                                                      |                         |                            |                                         |
| 36    | 18         | S-19 | 36-37.8     | 86              | 100          | Very dense grayish brown CLAY and SILT, some fine to coarse Sand, trace fine Gravel.                 |                         |                            |                                         |

LEGEND  
S - Split Spoon Soil Sample  
U - Undisturbed Soil Sample  
C - Rock Core Sample

NOTES: (1) Organic Vapor Meter (OVM) reading of headspace HNU PI-101 photoionization detector. ND=not detected above 1 ppm.

GENERAL 1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.  
NOTES: 2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER MAY OCCUR DUE TO OTHER FACTORS THAN THOSE PRESENT AT THE TIME MEASUREMENTS WERE MADE.

GZA

BORING No. SB-3

## ENGINEERS AND SCIENTISTS

PROJECT  
Stuart-Oliver-Holtz  
Rochester, New York

BORING No. SB-3  
SHEET 3 OF 3  
FILE No. T9078.10  
CHKD. BY GJK

|                                                                                                                        |                                                                                                                                           |
|------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|
| <p><b>LEGEND</b></p> <p>S - Split Spoon Soil Sample</p> <p>U - Undisturbed Soil Sample</p> <p>C - Rock Core Sample</p> | <p><b>NOTES:</b> (1) Organic Vapor Meter (OVM) reading of headspace HNu PI-101 photoionization detector. ND=not detected above 1 ppm.</p> |
|------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|

GENERAL NOTES: 1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.  
2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER MAY OCCUR DUE TO OTHER FACTORS THAN THOSE PRESENT AT THE TIME MEASUREMENTS WERE MADE.

**GZA**

BORING No. SB-3

GZA GEOENVIRONMENTAL OF NEW YORK  
364 MAGEL DRIVE, BUFFALO, NEW YORK

ENGINEERS AND SCIENTISTS

PROJECT

Stuart-Oliver-Holtz  
Rochester New York

BORING No. SB-4

SHEET 1 OF 2

FILE No. 19078.10

CHKD. BY GJK

CONTRACTOR Nothnagle Drilling  
DRILLER Steve Lorantz  
GZA GEOENVIRONMENTAL REPRESENTATIVE Dave Belaskas

BORING LOCATION N1123581.26, E751452.96 (NYSPC)  
GROUND SURFACE ELEVATION 531.4 DATUM NGVD  
START DATE 10/19/94 END DATE 10/19/94

TYPE OF DRILL RIG Gus Pech - 750C

CASING SIZE AND TYPE 2-1/4 inch ID HSA

OVERBURDEN SAMPLING METHOD 2 inch OD x 24 inch long  
spilt spoon (ASTM 1586)

ROCK DRILLING METHOD

WATER LEVEL DATA

| DATE     | TIME | WATER | CASING | REMARKS             |
|----------|------|-------|--------|---------------------|
| 10/19/94 | 1100 | 26'   | 28'    | Stabilized 15 mins. |
|          |      |       |        |                     |
|          |      |       |        |                     |

| DEPTH | SAMPLE        |     |                |                    |                 | SAMPLE DESCRIPTION                                                                            | (1)<br>Peak<br>OVM<br>Read<br>(PPM) | EQUIPMENT<br>INSTALLATION<br>LOG | NOTES                                   |
|-------|---------------|-----|----------------|--------------------|-----------------|-----------------------------------------------------------------------------------------------|-------------------------------------|----------------------------------|-----------------------------------------|
|       | BLOWS<br>/ 6" | NO. | DEPTH<br>(FT.) | N-VALUE<br>/RQD(%) | RECOVERY<br>(%) |                                                                                               |                                     |                                  |                                         |
| 1     | 4             | S-1 | 0-2            | 12                 | 35              | Medium dense, brown, fine to coarse SAND, some clayey Silt, trace gravel, moist.              | ND                                  |                                  | Cement/Bentonite Grout from GS to 30.0' |
|       | 6             |     |                |                    |                 |                                                                                               |                                     |                                  |                                         |
|       | 6             |     |                |                    |                 | [FILL]                                                                                        |                                     |                                  |                                         |
|       | 4             |     |                |                    |                 | trace root fragments                                                                          |                                     |                                  |                                         |
| 2     | 16            | S-2 | 2-4            | 34                 | 100             | Dense grayish brown fine to coarse SAND, some Clayey Silt, some fine to coarse Gravel, moist. | ND                                  |                                  |                                         |
|       | 16            |     |                |                    |                 |                                                                                               |                                     |                                  |                                         |
| 3     | 18            |     |                |                    |                 |                                                                                               |                                     |                                  |                                         |
|       | 21            |     |                |                    |                 |                                                                                               |                                     |                                  |                                         |
| 4     | 10            | S-3 | 4-6            | 32                 | 100             | same.                                                                                         | ND                                  |                                  |                                         |
|       | 16            |     |                |                    |                 |                                                                                               |                                     |                                  |                                         |
| 5     | 16            |     |                |                    |                 |                                                                                               |                                     |                                  |                                         |
|       | 20            |     |                |                    |                 | [FILL] 5.7'                                                                                   |                                     |                                  |                                         |
| 6     | 8             | S-4 | 6-8            | 17                 | 60              | Medium dense, brown, medium to coarse SAND, little fine Gravel, trace clayey silt, wet.       | ND                                  |                                  |                                         |
|       | 8             |     |                |                    |                 |                                                                                               |                                     |                                  |                                         |
| 7     | 9             |     |                |                    |                 |                                                                                               |                                     |                                  |                                         |
|       | 10            |     |                |                    |                 | [UPPER TILL]                                                                                  |                                     |                                  |                                         |
| 8     | 4             | S-5 | 8-10           | 20                 | 20              | same, grades no clayey silt.                                                                  | ND                                  |                                  |                                         |
|       | 8             |     |                |                    |                 |                                                                                               |                                     |                                  |                                         |
| 9     | 12            |     |                |                    |                 |                                                                                               |                                     |                                  |                                         |
|       | 23            |     |                |                    |                 |                                                                                               |                                     |                                  |                                         |
| 10    | 12            | S-6 | 10-12          | 42                 | 70              | same, wet.                                                                                    | ND                                  |                                  |                                         |
|       | 18            |     |                |                    |                 |                                                                                               |                                     |                                  |                                         |
| 11    | 24            |     |                |                    |                 |                                                                                               |                                     |                                  |                                         |
|       | 47            |     |                |                    |                 |                                                                                               |                                     |                                  |                                         |
| 12    | 13            | S-7 | 12-14          | 50                 | 80              | grades to some Silt, trace fine gravel.                                                       | ND                                  |                                  |                                         |
|       | 23            |     |                |                    |                 |                                                                                               |                                     |                                  |                                         |
| 13    | 27            |     |                |                    |                 |                                                                                               |                                     |                                  |                                         |
|       | 38            |     |                |                    |                 |                                                                                               |                                     |                                  |                                         |
| 14    | 10/0.0'       | S-8 | 14-14          | >100               | NR              | No recovery.                                                                                  | --                                  |                                  |                                         |
| 15    |               |     |                |                    |                 |                                                                                               |                                     |                                  |                                         |
|       |               |     |                |                    |                 |                                                                                               |                                     |                                  |                                         |
| 16    |               |     |                |                    |                 |                                                                                               |                                     |                                  |                                         |
|       | 38            | S-9 | 16-16.7        | >100               | 50              | [UPPER TILL]                                                                                  | ND                                  |                                  |                                         |

LEGEND

S - Split Spoon Soil Sample  
U - Undisturbed Soil Sample  
C - Rock Core Sample

NOTES: (1) Organic Vapor Meter (OVM) reading of headspace using HNu-P1-101 photoionization detector. ND=not detected above 1 ppm.

GENERAL 1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.  
NOTES: 2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER MAY OCCUR DUE TO OTHER FACTORS THAN THOSE PRESENT AT THE TIME MEASUREMENTS WERE MADE.

GZA

BORING No. SB-4

## ENGINEERS AND SCIENTISTS

PROJECT  
Stuart-Olver-Holtz  
Rochester, New York

BORING No. SB-4  
SHEET 2 OF 2  
FILE No. 19078.10  
CHKD. BY GJK

**LEGEND**

S - Split Spoon Soil Sample  
U - Undisturbed Soil Sample  
C - Rock Core Sample

NOTES: (1) Organic Vapor Meter (OVM) reading of headspace HNu PI-101 photoionization detector. ND=not detected above 1 ppm.

GENERAL NOTES: 1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.  
2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER MAY OCCUR DUE TO OTHER FACTORS THAN THOSE PRESENT AT THE TIME MEASUREMENTS WERE MADE.

BORING No. SB-4



GZA GEOENVIRONMENTAL OF NEW YORK  
364 NAGEL DRIVE, BUFFALO, NEW YORK

ENGINEERS AND SCIENTISTS

PROJECT

Stuart-Oliver-Holtz  
Rochester New York

BORING No. SB- 5

SHEET 1 OF 2

FILE No. 19078.10

CHKD. BY GJK

CONTRACTOR Nothnagle Drilling  
DRILLER Steve Lorantz  
GZA GEOENVIRONMENTAL REPRESENTATIVE Dave Belaskas

BORING LOCATION N1123567.72, E761375.15 (NYSPEC)  
GROUND SURFACE ELEVATION 529.5 DATUM NGVD  
START DATE 10/13/94 END DATE 10/13/94

TYPE OF DRILL RIG CME-75

CASING SIZE AND TYPE 2-1/4 inch ID HSA

OVERBURDEN SAMPLING METHOD 2 inch OD x 24 inch long  
split spoon (ASTM 1586)

ROCK DRILLING METHOD

WATER LEVEL DATA

| DATE     | TIME | WATER | CASING | REMARKS            |
|----------|------|-------|--------|--------------------|
| 10/13/94 | 1500 | DRY   | 28'    | Stabilized 10 min. |
|          |      |       |        |                    |
|          |      |       |        |                    |

| DEPTH | SAMPLE        |     |                |                    |                 | SAMPLE DESCRIPTION                                                                                         | (1)<br>Peak<br>OVM<br>Read<br>(PPM) | EQUIPMENT<br>INSTALLATION<br>LOG | NOTES |
|-------|---------------|-----|----------------|--------------------|-----------------|------------------------------------------------------------------------------------------------------------|-------------------------------------|----------------------------------|-------|
|       | BLOWS<br>/ 6" | NO. | DEPTH<br>(FT.) | N-VALUE<br>/RQD(%) | RECOVERY<br>(%) |                                                                                                            |                                     |                                  |       |
|       |               | S-1 | 0.5-2.0        | 7                  | 75              | Loose, brown, fine to coarse<br>SAND, little clayey Silt,<br>trace Gravel, moist.                          | ND                                  |                                  |       |
| 1     | 3             |     |                |                    |                 | [FILL]                                                                                                     |                                     |                                  |       |
|       | 4             |     |                |                    |                 |                                                                                                            |                                     |                                  |       |
| 2     | 9             |     |                |                    |                 |                                                                                                            |                                     |                                  |       |
|       | 10            | S-2 | 2-4            | 16                 | 75              | grades to Medium dense,<br>fine to medium SAND,<br>little silt.                                            | 1                                   |                                  |       |
| 3     | 8             |     |                |                    |                 |                                                                                                            |                                     |                                  |       |
|       | 8             |     |                |                    |                 |                                                                                                            |                                     |                                  |       |
| 4     | 15            |     |                |                    |                 | [FILL] 4.0'                                                                                                |                                     |                                  |       |
|       | 6             | S-3 | 4-6            | 21                 | 90              | Medium dense, brown, fine<br>to coarse SAND and Clayey<br>SILT, little fine to coarse<br>Gravel, moist.    | 3                                   |                                  |       |
| 5     | 10            |     |                |                    |                 |                                                                                                            |                                     |                                  |       |
|       | 11            |     |                |                    |                 |                                                                                                            |                                     |                                  |       |
| 6     | 10            |     |                |                    |                 | [UPPER TILL]                                                                                               |                                     |                                  |       |
|       | 3             | S-4 | 6-8            | 32                 | 90              | Dense, brown, fine to<br>medium SAND, trace coarse<br>Sand, trace Silt, wet.<br>(SAND STRATUM, 6.0 to 8.0) | 3                                   |                                  |       |
| 7     | 12            |     |                |                    |                 |                                                                                                            |                                     |                                  |       |
|       | 20            |     |                |                    |                 |                                                                                                            |                                     |                                  |       |
| 8     | 29            |     |                |                    |                 |                                                                                                            |                                     |                                  |       |
|       | 6             | S-5 | 8-10           | 43                 | 90              | Dense, brown, fine to<br>coarse SAND, trace silt, wet. 3                                                   |                                     |                                  |       |
| 9     | 10            |     |                |                    |                 | [UPPER TILL]                                                                                               |                                     |                                  |       |
|       | 33            |     |                |                    |                 |                                                                                                            |                                     |                                  |       |
| 10    | 31            |     |                |                    |                 |                                                                                                            |                                     |                                  |       |
|       | 13            | S-6 | 10-12          | 31                 | 75              | same.                                                                                                      | 5                                   |                                  |       |
| 11    | 15            |     |                |                    |                 |                                                                                                            |                                     |                                  |       |
|       | 16            |     |                |                    |                 |                                                                                                            |                                     |                                  |       |
| 12    | 15            |     |                |                    |                 |                                                                                                            |                                     |                                  |       |
|       | 8             | S-7 | 12-14          | 45                 | 75              | same.                                                                                                      | 4                                   |                                  |       |
| 13    | 22            |     |                |                    |                 |                                                                                                            |                                     |                                  |       |
|       | 23            |     |                |                    |                 |                                                                                                            |                                     |                                  |       |
| 14    | 25            |     |                |                    |                 |                                                                                                            |                                     |                                  |       |
|       | 9             | S-8 | 14-16          | 34                 | 75              | grades, moist.                                                                                             | 5                                   |                                  |       |
| 15    | 13            |     |                |                    |                 |                                                                                                            |                                     |                                  |       |
|       | 21            |     |                |                    |                 |                                                                                                            |                                     |                                  |       |
| 16    | 27            |     |                |                    |                 | [UPPER TILL]                                                                                               |                                     |                                  |       |
|       | 19            | S-9 | 16-18          | 52                 | 75              | grades very dense,<br>little silt.                                                                         |                                     |                                  |       |

LEGEND  
S - Split Spoon Soil Sample  
U - Undisturbed Soil Sample  
C - Rock Core Sample

NOTES: (1) Organic Vapor Meter (OVM) reading of headspace using HNu PI-101  
photoionization detector. ND=not detected above 1 ppm.

GENERAL 1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.  
NOTES: 2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER  
MAY OCCUR DUE TO OTHER FACTORS THAN THOSE PRESENT AT THE TIME MEASUREMENTS WERE MADE.

GZA

BORING No. SB-5

## ENGINEERS AND SCIENTISTS

Stuart-Oliver-Holtz  
Rochester, New York

BORING No. SB-5  
SHEET 2 OF 2  
FILE No. 19078.10  
CHKD. BY GJK

[illegible]

**LEGEND**

S - Split Spoon Soil Sample  
U - Undisturbed Soil Sample  
C - Rock Core Sample

NOTES: (1) Organic Vapor Meter (OV) reading of headspace HNu PI-101 photoionization detector. ND=not detected above 1 ppm.

GENERAL NOTES: 1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.  
2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER MAY OCCUR DUE TO OTHER FACTORS THAN THOSE PRESENT AT THE TIME MEASUREMENTS WERE MADE.

BORING No. SB-5

GZA GEOENVIRONMENTAL OF NEW YORK  
364 NAGEL DRIVE, BUFFALO, NEW YORK  
ENGINEERS AND SCIENTISTS

PROJECT  
Stuart-Oliver-Holtz  
Rochester New York

BORING No. SB-6  
SHEET 1 OF 3  
FILE No. 19078.10  
CHKD. BY GJK

CONTRACTOR Nothnagle Drilling  
DRILLER Steve Lorantz  
GZA GEOENVIRONMENTAL REPRESENTATIVE Dave Belaskas

BORING LOCATION N1123690.88, E751340.58 (NYSPC)  
GROUND SURFACE ELEVATION 527.9 DATUM NVGD  
START DATE 10/11/94 END DATE 10/11/94

TYPE OF DRILL RIG CME - 75  
CASING SIZE AND TYPE 2-1/4 inch ID HSA  
OVERBURDEN SAMPLING METHOD 2 inch OD x 24 inch long  
spilt spoon (ASTM 1586)  
ROCK DRILLING METHOD

WATER LEVEL DATA

| DATE     | TIME | WATER | CASING | REMARKS             |
|----------|------|-------|--------|---------------------|
| 10/15/94 | 1410 | DRY   | 13'    | Stabilized 15 mins. |
| 10/11/94 | 1540 | 34'   | 42'    | Stabilized 15 mins. |
|          |      |       |        |                     |

| DEPTH | SAMPLE        |     |                |                    |                 | (1)<br>Peak<br>OVM<br>Read<br>(PPM) | EQUIPMENT<br>INSTALLATION<br>LOG           | NOTES |
|-------|---------------|-----|----------------|--------------------|-----------------|-------------------------------------|--------------------------------------------|-------|
|       | BLOWS<br>/ 6" | NO. | DEPTH<br>(FT.) | N-VALUE<br>/RQD(%) | RECOVERY<br>(%) |                                     |                                            |       |
| 1     | 5             | S-1 | 0-2            | 16                 | 50              | ND                                  | Cement/Bentonite Grout<br>from GS to 42.0' |       |
|       | 8             |     |                |                    |                 |                                     |                                            |       |
|       | 8             |     |                |                    |                 |                                     |                                            |       |
| 2     | 6             |     |                |                    |                 |                                     |                                            |       |
|       |               |     |                |                    |                 |                                     |                                            |       |
|       |               |     |                |                    |                 |                                     |                                            |       |
| 3     | 3             | S-2 | 2-4            | 28                 | 40              | 60                                  |                                            |       |
|       | 4             |     |                |                    |                 |                                     |                                            |       |
|       |               |     |                |                    |                 |                                     |                                            |       |
| 4     | 24            |     |                |                    |                 |                                     |                                            |       |
|       | 23            |     |                |                    |                 |                                     |                                            |       |
|       |               |     |                |                    |                 |                                     |                                            |       |
| 5     | 4             | S-3 | 4-6            | 13                 | 40              | 80                                  |                                            |       |
|       | 4             |     |                |                    |                 |                                     |                                            |       |
|       | 9             |     |                |                    |                 |                                     |                                            |       |
|       | 9             |     |                |                    |                 |                                     |                                            |       |
| 6     | 5             | S-4 | 6-8            | 38                 | 75              |                                     |                                            |       |
|       |               |     |                |                    |                 |                                     |                                            |       |
| 7     | 16            |     |                |                    |                 | 50                                  |                                            |       |
|       | 22            |     |                |                    |                 |                                     |                                            |       |
|       |               |     |                |                    |                 |                                     |                                            |       |
| 8     | 22            |     |                |                    |                 |                                     |                                            |       |
|       | 4             | S-5 | 8-10           | 36                 | 50              | 70                                  |                                            |       |
|       | 16            |     |                |                    |                 |                                     |                                            |       |
| 9     |               |     |                |                    |                 |                                     |                                            |       |
|       | 20            |     |                |                    |                 |                                     |                                            |       |
|       | 20            |     |                |                    |                 |                                     |                                            |       |
| 10    | 10            | S-6 | 10-12          | 30                 | 60              | 40                                  |                                            |       |
|       | 15            |     |                |                    |                 |                                     |                                            |       |
|       |               |     |                |                    |                 |                                     |                                            |       |
| 11    | 15            |     |                |                    |                 |                                     |                                            |       |
|       | 20            |     |                |                    |                 |                                     |                                            |       |
| 12    | 20            | S-7 | 12-14          | 70                 | 75              | 6                                   |                                            |       |
|       | 35            |     |                |                    |                 |                                     |                                            |       |
|       | 35            |     |                |                    |                 |                                     |                                            |       |
|       | 40            |     |                |                    |                 |                                     |                                            |       |
| 14    | 17            | S-8 | 14-15.4        | >100               | 70              | 17                                  |                                            |       |
|       | 52            |     |                |                    |                 |                                     |                                            |       |
| 15    | 100/0         | 4'  |                |                    |                 |                                     |                                            |       |
|       |               |     |                |                    |                 |                                     |                                            |       |
| 16    |               |     |                |                    |                 |                                     |                                            |       |
|       | 15            | S-9 | 16-18          | 85                 | 75              |                                     |                                            |       |

LEGEND

S - Split Spoon Soil Sample  
U - Undisturbed Soil Sample  
C - Rock Core Sample

NOTES: (1) Organic Vapor Meter (OVM) reading of headspace using HNu PI-101 photoionization detector. ND=not detected above 1 ppm.

GENERAL 1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.  
NOTES: 2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER MAY OCCUR DUE TO OTHER FACTORS THAN THOSE PRESENT AT THE TIME MEASUREMENTS WERE MADE.

GZA

BORING No. SB-6

GZA GEOENVIRONMENTAL OF NEW YORK  
364 NAGEL DRIVE, BUFFALO, NEW YORK

ENGINEERS AND SCIENTISTS

PROJECT  
Stuart-Oliver-Holtz  
Rochester, New York

BORING No. SB-6  
SHEET 2 OF 3  
FILE No. 19078.10  
CHKD. BY GJK

| DEPTH | BLOWS / 6" | SAMPLE |             |                   |              | SAMPLE DESCRIPTION                                                            | (1) Peak OVM Read (PPM) | EQUIPMENT INSTALLATION LOG | NOTES                                   |
|-------|------------|--------|-------------|-------------------|--------------|-------------------------------------------------------------------------------|-------------------------|----------------------------|-----------------------------------------|
|       |            | NO.    | DEPTH (FT.) | N-VALUE / ROD (%) | RECOVERY (%) |                                                                               |                         |                            |                                         |
| 17    | 40         |        |             |                   |              |                                                                               | 2                       |                            | Cement/Bentonite grout from GS to 42.0' |
|       | 45         |        |             |                   |              |                                                                               |                         |                            |                                         |
| 18    | 58         |        |             |                   |              |                                                                               |                         |                            |                                         |
|       | 11         | S-10   | 18-20       | 77                | 75           | same.                                                                         | 1                       |                            |                                         |
| 19    | 28         |        |             |                   |              | [UPPER TILL]                                                                  |                         |                            |                                         |
|       | 49         |        |             |                   |              |                                                                               |                         |                            |                                         |
|       | 72         |        |             |                   |              |                                                                               |                         |                            |                                         |
| 20    | 16         | S-11   | 20-22       | >100              | 75           | same.                                                                         | ND                      |                            |                                         |
|       | 46         |        |             |                   |              |                                                                               |                         |                            |                                         |
| 21    | 58         |        |             |                   |              |                                                                               |                         |                            |                                         |
|       | 48         |        |             |                   |              |                                                                               |                         |                            |                                         |
| 22    | 29         | S-12   | 22-24       | >100              | 70           | same.                                                                         | 2                       |                            |                                         |
|       | 52         |        |             |                   |              |                                                                               |                         |                            |                                         |
| 23    | 52         |        |             |                   |              |                                                                               |                         |                            |                                         |
|       | 47         |        |             |                   |              |                                                                               |                         |                            |                                         |
| 24    | 30         | S-13   | 24-25       | >100              | 70           | same.                                                                         | ND                      |                            |                                         |
|       | 100/0      | 5'     |             |                   |              |                                                                               |                         |                            |                                         |
| 25    |            |        |             |                   |              |                                                                               |                         |                            |                                         |
|       |            |        |             |                   |              |                                                                               |                         |                            |                                         |
| 26    | 25         | S-14   | 26-27       | >100              | 80           | same.                                                                         | ND                      |                            |                                         |
|       | 97/6'      |        |             |                   |              |                                                                               |                         |                            |                                         |
| 27    |            |        |             |                   |              |                                                                               |                         |                            |                                         |
|       |            |        |             |                   |              |                                                                               |                         |                            |                                         |
| 28    | 28         | S-15   | 28-29.3     | >100              | 85           | same.                                                                         | 110                     |                            |                                         |
|       | 51         |        |             |                   |              |                                                                               |                         |                            |                                         |
| 29    | 100/0      | 3'     |             |                   |              |                                                                               |                         |                            |                                         |
|       |            |        |             |                   |              |                                                                               |                         |                            |                                         |
| 30    |            |        |             |                   |              | [UPPER TILL]                                                                  |                         |                            |                                         |
|       | 25         | S-16   | 30-32       | 93                | 90           | Very dense, brown, fine to coarse SAND, little clayey Silt, wet.              | 140                     |                            |                                         |
| 31    | 50         |        |             |                   |              |                                                                               |                         |                            |                                         |
|       | 43         |        |             |                   |              |                                                                               |                         |                            |                                         |
|       | 40         |        |             |                   |              |                                                                               |                         |                            |                                         |
| 32    | 8          | S-17   | 32-34'      | 38                | 75           | same. [UPPER TILL]                                                            | 400                     |                            |                                         |
|       | 9          |        |             |                   |              | (SAND STRATUM, 30.0 to 34.0).                                                 |                         |                            |                                         |
| 33    | 29         |        |             |                   |              |                                                                               |                         |                            |                                         |
|       | 39         |        |             |                   |              |                                                                               |                         |                            |                                         |
| 34    |            |        |             |                   |              |                                                                               | 34.0'                   |                            |                                         |
|       | 32         | S-18   | 34-35.6     | >100              |              | Very dense, brown, fine to coarse SAND and clayey SILT, little Gravel, moist. | 16                      |                            |                                         |
| 35    | 40         |        |             |                   |              |                                                                               |                         |                            |                                         |
|       | 100/0      | 5'     |             |                   |              |                                                                               |                         |                            |                                         |
|       |            |        |             |                   |              | [LOWER TILL]                                                                  |                         |                            |                                         |
| 36    |            |        |             |                   |              |                                                                               |                         |                            |                                         |
|       | 15         | S-19   | 36-37.5     | >100              | 100          | same.                                                                         | 5                       |                            |                                         |

LEGEND  
S - Split Spoon Soil Sample  
U - Undisturbed Soil Sample  
C - Rock Core Sample

NOTES: (1) Organic Vapor Meter (OVM) reading of headspace HNu PI-101 photoionization detector. ND=not detected above 1 ppm.

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GZA

BORING No. SB-6

GZA GEOENVIRONMENTAL OF NEW YORK  
364 NAGEL DRIVE, BUFFALO, NEW YORK  
ENGINEERS AND SCIENTISTS

PROJECT  
Stuart-Oliver-Koltz  
Rochester, New York

BORING No. SB-6  
SHEET 3 OF 3  
FILE No. 19078.10  
CHKD. BY GJK

| DEPTH | SAMPLE        |      |                |                    |                 | SAMPLE DESCRIPTION                                                                                                          | (1)<br>Peak<br>OVM<br>Read<br>(PPM) | EQUIPMENT<br>INSTALLATION<br>LOG | NOTES                                   |
|-------|---------------|------|----------------|--------------------|-----------------|-----------------------------------------------------------------------------------------------------------------------------|-------------------------------------|----------------------------------|-----------------------------------------|
|       | BLOWS<br>/ 6" | NO.  | DEPTH<br>(FT.) | N-VALUE<br>/RQD(%) | RECOVERY<br>(%) |                                                                                                                             |                                     |                                  |                                         |
| 37    | 38            |      |                |                    |                 | [LOWER TILL]<br><br>Very dense dark grayish brown fine to coarse SAND and Clayey SILT, little fine to coarse Gravel, moist. | 5                                   |                                  | Cement/Bentonite grout from GS to 42.0' |
|       | 100/0         | 5'   |                |                    |                 |                                                                                                                             |                                     |                                  |                                         |
| 38    |               |      |                |                    |                 |                                                                                                                             |                                     |                                  |                                         |
|       | 31            | S-20 | 38-39.9        | 98                 | 85              |                                                                                                                             | 2                                   |                                  |                                         |
|       | 47            |      |                |                    |                 |                                                                                                                             |                                     |                                  |                                         |
| 39    |               |      |                |                    |                 | same.                                                                                                                       |                                     |                                  |                                         |
|       | 51            |      |                |                    |                 |                                                                                                                             |                                     |                                  |                                         |
|       | 100/0         | 4'   |                |                    |                 |                                                                                                                             |                                     |                                  |                                         |
| 40    |               |      |                |                    |                 |                                                                                                                             |                                     |                                  |                                         |
|       | 27            | S-21 | 40-41.5        | >100               | 60              |                                                                                                                             | 2                                   |                                  |                                         |
|       | 46            |      |                |                    |                 | [LOWER TILL] 42.0'                                                                                                          |                                     |                                  |                                         |
| 41    |               |      |                |                    |                 |                                                                                                                             |                                     |                                  |                                         |
|       | 100/0         | 5'   |                |                    |                 |                                                                                                                             |                                     |                                  |                                         |
|       |               |      |                |                    |                 |                                                                                                                             |                                     |                                  |                                         |
|       |               |      |                |                    |                 |                                                                                                                             |                                     |                                  |                                         |
| 42    |               |      |                |                    |                 | Weathered shale fragments. SEVERELY WEATHERED BEDROCK                                                                       | 2                                   |                                  |                                         |
| 100   | 0.3'          | S-22 | 42-42.3        | >100               | 75              |                                                                                                                             |                                     |                                  |                                         |
|       |               |      |                |                    |                 |                                                                                                                             |                                     |                                  |                                         |
| 43    |               |      |                |                    |                 |                                                                                                                             |                                     |                                  |                                         |
|       |               |      |                |                    |                 |                                                                                                                             |                                     |                                  |                                         |
| 44    |               |      |                |                    |                 | Bottom of boring at 42.3'.                                                                                                  |                                     |                                  |                                         |
|       |               |      |                |                    |                 |                                                                                                                             |                                     |                                  |                                         |
|       |               |      |                |                    |                 |                                                                                                                             |                                     |                                  |                                         |
|       |               |      |                |                    |                 |                                                                                                                             |                                     |                                  |                                         |
|       |               |      |                |                    |                 |                                                                                                                             |                                     |                                  |                                         |
|       |               |      |                |                    |                 |                                                                                                                             |                                     |                                  |                                         |
|       |               |      |                |                    |                 |                                                                                                                             |                                     |                                  |                                         |
|       |               |      |                |                    |                 |                                                                                                                             |                                     |                                  |                                         |
|       |               |      |                |                    |                 |                                                                                                                             |                                     |                                  |                                         |
|       |               |      |                |                    |                 |                                                                                                                             |                                     |                                  |                                         |
|       |               |      |                |                    |                 |                                                                                                                             |                                     |                                  |                                         |
|       |               |      |                |                    |                 |                                                                                                                             |                                     |                                  |                                         |
|       |               |      |                |                    |                 |                                                                                                                             |                                     |                                  |                                         |
|       |               |      |                |                    |                 |                                                                                                                             |                                     |                                  |                                         |
|       |               |      |                |                    |                 |                                                                                                                             |                                     |                                  |                                         |
|       |               |      |                |                    |                 |                                                                                                                             |                                     |                                  |                                         |
|       |               |      |                |                    |                 |                                                                                                                             |                                     |                                  |                                         |
|       |               |      |                |                    |                 |                                                                                                                             |                                     |                                  |                                         |
|       |               |      |                |                    |                 |                                                                                                                             |                                     |                                  |                                         |
|       |               |      |                |                    |                 |                                                                                                                             |                                     |                                  |                                         |
|       |               |      |                |                    |                 |                                                                                                                             |                                     |                                  |                                         |
|       |               |      |                |                    |                 |                                                                                                                             |                                     |                                  |                                         |

LEGEND  
S - Split Spoon Soil Sample  
U - Undisturbed Soil Sample  
C - Rock Core Sample

NOTES: (1) Organic Vapor Meter (OVM) reading of headspace HNu PI-101 photoionization detector. ND=not detected above 1 ppm.

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GZA GEOENVIRONMENTAL OF NEW YORK  
364 NAGEL DRIVE, BUFFALO, NEW YORK

ENGINEERS AND SCIENTISTS

PROJECT  
Stuart-Oliver-Holtz  
Rochester New York

BORING No. SB-7  
SHEET 1 OF 3  
FILE No. 19078.10  
CHKD. BY GJK

CONTRACTOR Mothnagle Drilling  
DRILLER Steve Lorantz  
GZA GEOENVIRONMENTAL REPRESENTATIVE Dave Belaskas

BORING LOCATION N1123798.59 E751311.32 (NYSPC)  
GROUND SURFACE ELEVATION 527.8 DATUM NAVD  
START DATE 10/05/94 END DATE 10/05/94

TYPE OF DRILL RIG CME - 75

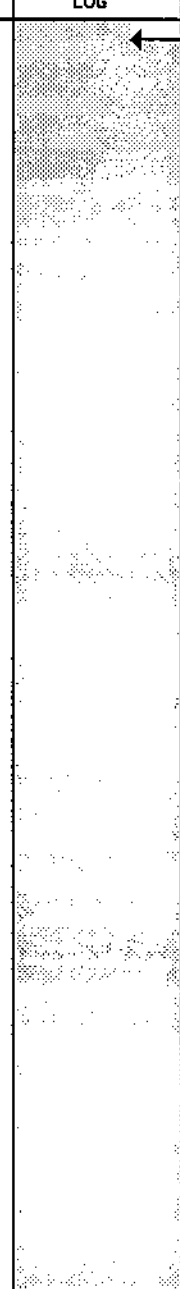
CASING SIZE AND TYPE 4-1/4 inch ID HSA

OVERBURDEN SAMPLING METHOD 2 inch OD x 24 inch long  
spilt spoon (ASTM 1586)

ROCK DRILLING METHOD NONE

WATER LEVEL DATA

| DATE     | TIME  | WATER | CASING | REMARKS            |
|----------|-------|-------|--------|--------------------|
| 10/05/94 | 10:00 | 10.7  | 16'    | Stabilized 20 MIN. |
| 10/05/94 | 14:20 | 11.5  | 42'    | Stabilized 20 MIN. |
|          |       |       |        |                    |

| DEPTH | SAMPLE        |     |                |                    |                 | SAMPLE DESCRIPTION                                                                               | Peak<br>OVM<br>Read<br>(PPM) | EQUIPMENT<br>INSTALLATION<br>LOG                                                     | NOTES                                      |
|-------|---------------|-----|----------------|--------------------|-----------------|--------------------------------------------------------------------------------------------------|------------------------------|--------------------------------------------------------------------------------------|--------------------------------------------|
|       | BLOWS<br>/ 6" | NO. | DEPTH<br>(FT.) | N-VALUE<br>/RQD(%) | RECOVERY<br>(%) |                                                                                                  |                              |                                                                                      |                                            |
| 1     | 2             | S-1 | 0.5-2          | -                  | 50              | Asphalt concrete to 0.2 ft.                                                                      | ND                           |  | Cement/Bentonite Grout<br>from GS to 46.0' |
| 2     | 4             |     |                |                    |                 | Black-gray, SILT & CLAY,<br>little fine to coarse Sand<br>moist. [FILL] 1.5'                     | ND                           |                                                                                      |                                            |
| 3     | 5             | S-2 | 2-4            | 13                 | 75              | Stiff, brown, CLAY & SILT,<br>little fine to medium Sand,<br>moist. [LACUSTRINE] 3.0'            | ND                           |                                                                                      |                                            |
| 4     | 16            |     |                |                    |                 | Stiff, red-brown, clayey<br>SILT and fine to coarse SAND<br>little Gravel, moist.                | ND                           |                                                                                      |                                            |
| 5     | 5             | S-3 | 4-6            | 30                 | 90              | [UPPER TILL]                                                                                     |                              |                                                                                      |                                            |
| 6     | 15            |     |                |                    |                 | grades; some Gravel.                                                                             | ND                           |                                                                                      |                                            |
| 7     | 11            |     |                |                    |                 |                                                                                                  |                              |                                                                                      |                                            |
| 8     | 10            |     |                |                    |                 |                                                                                                  |                              |                                                                                      |                                            |
| 9     | 11            |     |                |                    |                 |                                                                                                  |                              |                                                                                      |                                            |
| 10    | 6             | S-5 | 8-10           | 18                 | 60              | same.                                                                                            | ND                           |                                                                                      |                                            |
| 11    | 10            |     |                |                    |                 |                                                                                                  | ND                           |                                                                                      |                                            |
| 12    | 8             |     |                |                    |                 | Dense, brown, fine to<br>medium SAND, little coarse<br>Sand, wet.<br>(SAND STRATUM, 9.0 to 11.0) | 30                           |                                                                                      |                                            |
| 13    | 6             | S-6 | 10-12          | 32                 | 40              |                                                                                                  |                              |                                                                                      |                                            |
| 14    | 13            |     |                |                    |                 |                                                                                                  | 12                           |                                                                                      |                                            |
| 15    | 19            |     |                |                    |                 | Medium dense, brown-gray,<br>fine to coarse SAND, some<br>Gravel, moist. [UPPER TILL]            | ND                           |                                                                                      |                                            |
| 16    | 20            |     |                |                    |                 |                                                                                                  |                              |                                                                                      |                                            |
| 17    | 8             | S-7 | 12-14          | 25                 | 30              |                                                                                                  | 12.0'                        |                                                                                      |                                            |
| 18    | 11            |     |                |                    |                 | Medium dense, brown, fine<br>to coarse SAND, little<br>Gravel, wet.                              | 11                           |                                                                                      |                                            |
| 19    | 14            |     |                |                    |                 |                                                                                                  |                              |                                                                                      |                                            |
| 20    | 12            |     |                |                    |                 | [UPPER TILL]                                                                                     |                              |                                                                                      |                                            |
| 21    | 5             | S-8 | 14-16          | 19                 | 100             |                                                                                                  |                              |                                                                                      |                                            |
| 22    | 7             |     |                |                    |                 |                                                                                                  |                              |                                                                                      |                                            |
| 23    | 12            |     |                |                    |                 | (SAND STRATUM 12.0 to 25.0)                                                                      | 20                           |                                                                                      |                                            |
| 24    | 16            |     |                |                    |                 |                                                                                                  |                              |                                                                                      |                                            |
| 25    | 16            | S-9 | 16-18          | 38                 | 100             | same.                                                                                            | 3                            |                                                                                      |                                            |

LEGEND  
S - Split Spoon Soil Sample  
U - Undisturbed Soil Sample  
C - Rock Core Sample

NOTES: Organic Vapor Meter (OVM) reading of headspace using HNu PI-101  
photoionization detector.  
ND-not detected above 1 ppm.

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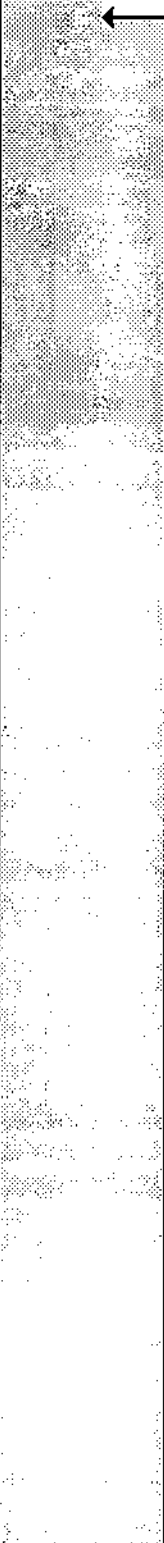
GZA

BORING No. SB-7

GZA GEOENVIRONMENTAL OF NEW YORK  
364 NAGEL DRIVE, BUFFALO, NEW YORK  
ENGINEERS AND SCIENTISTS

PROJECT  
Stuart-Oliver-Holtz  
Rochester, New York

BORING No. SB-7  
SHEET 2 OF 3  
FILE No. 19078.10  
CHKD. BY GJK

| DEPTH | SAMPLE        |      |                |                    |                 | SAMPLE DESCRIPTION                                                                    | (1)<br>Peak<br>OVM<br>Read<br>(PPM) | EQUIPMENT<br>INSTALLATION<br>LOG                                                     | NOTES                                      |
|-------|---------------|------|----------------|--------------------|-----------------|---------------------------------------------------------------------------------------|-------------------------------------|--------------------------------------------------------------------------------------|--------------------------------------------|
|       | BLOWS<br>/ 6" | NO.  | DEPTH<br>(FT.) | N-VALUE<br>/RQD(%) | RECOVERY<br>(%) |                                                                                       |                                     |                                                                                      |                                            |
| 17    | 18            |      |                |                    |                 | [UPPER TILL]                                                                          | 3                                   |  | Cement/Bentonite grout<br>from GS to 46.0' |
|       | 20            |      |                |                    |                 |                                                                                       |                                     |                                                                                      |                                            |
| 18    | 16            |      |                |                    |                 |                                                                                       |                                     |                                                                                      |                                            |
| 19    |               |      |                |                    |                 | 7 ft. of running sand in<br>augers.<br>(no sample collected from<br>18 to 20 ft.)     |                                     |                                                                                      |                                            |
| 20    |               |      |                |                    |                 |                                                                                       |                                     |                                                                                      |                                            |
| 21    |               |      |                |                    |                 |                                                                                       |                                     |                                                                                      |                                            |
| 20    | 3             | S-10 | 20-22          | 35                 | 100             | grades, dense, some gravel.                                                           | 4                                   |                                                                                      |                                            |
| 21    | 19            |      |                |                    |                 |                                                                                       |                                     |                                                                                      |                                            |
| 22    | 16            |      |                |                    |                 |                                                                                       |                                     |                                                                                      |                                            |
| 22    | 13            |      |                |                    |                 | grades, medium dense.                                                                 | 5                                   |                                                                                      |                                            |
| 23    | 9             | S-11 | 22-24          | 27                 | 100             |                                                                                       |                                     |                                                                                      |                                            |
| 24    | 10            |      |                |                    |                 |                                                                                       |                                     |                                                                                      |                                            |
| 24    | 17            |      |                |                    |                 | grades, very dense.                                                                   | 4                                   |                                                                                      |                                            |
| 25    | 24            |      |                |                    |                 |                                                                                       |                                     |                                                                                      |                                            |
| 26    | 24            | S-12 | 24-26          | 67                 | 80              |                                                                                       |                                     |                                                                                      |                                            |
| 25    | 30            |      |                |                    |                 | [UPPER TILL] 25.0'                                                                    | 4                                   |                                                                                      |                                            |
| 26    | 37            |      |                |                    |                 | Very dense, gray-brown,<br>fine to coarse SAND, some<br>Gravel, trace silt,<br>moist. |                                     |                                                                                      |                                            |
| 27    | 41            |      |                |                    |                 |                                                                                       |                                     |                                                                                      |                                            |
| 26    | 13            | S-13 | 26-27.5        | >100               | 100             |                                                                                       | ND                                  |                                                                                      |                                            |
| 27    | 27            |      |                |                    |                 | (26.5 to 27.5 is moist to<br>wet).                                                    |                                     |                                                                                      |                                            |
| 28    | 100/0         | 5'   |                |                    |                 | [LOWER TILL]                                                                          |                                     |                                                                                      |                                            |
| 28    | 30            | S-14 | 28-28.9        | >100               | 50              | grades, little silt.                                                                  | ND                                  |                                                                                      |                                            |
| 29    | 100/0         | 4'   |                |                    |                 |                                                                                       |                                     |                                                                                      |                                            |
| 30    |               |      |                |                    |                 |                                                                                       |                                     |                                                                                      |                                            |
| 30    | 25            | S-15 | 30-31          | >100               | 80              | same.                                                                                 | ND                                  |                                                                                      |                                            |
| 31    | 100/0         | 5'   |                |                    |                 |                                                                                       |                                     |                                                                                      |                                            |
| 32    |               |      |                |                    |                 |                                                                                       |                                     |                                                                                      |                                            |
| 32    | 38            | S-16 | 32-34          | 85                 | 80              | same.                                                                                 | ND                                  |                                                                                      |                                            |
| 33    | 40            |      |                |                    |                 |                                                                                       |                                     |                                                                                      |                                            |
| 34    | 45            |      |                |                    |                 |                                                                                       |                                     |                                                                                      |                                            |
| 34    | 56            |      |                |                    |                 | grades, dense.                                                                        | ND                                  |                                                                                      |                                            |
| 35    | 33            | S-17 | 34-36          | 45                 |                 |                                                                                       |                                     |                                                                                      |                                            |
| 36    | 25            |      |                |                    |                 |                                                                                       |                                     |                                                                                      |                                            |
| 35    | 20            |      |                |                    |                 | [LOWER TILL]                                                                          | ND                                  |                                                                                      |                                            |
| 36    | 20            |      |                |                    |                 |                                                                                       |                                     |                                                                                      |                                            |
| 36    | 12            | S-18 | 36-38          | 27                 |                 | grades, medium dense.                                                                 |                                     |                                                                                      |                                            |

LEGEND  
S - Split Spoon Soil Sample  
U - Undisturbed Soil Sample  
C - Rock Core Sample

NOTES: (1) Organic Vapor Meter (OVM) reading of headspace HNu PI-101  
photoionization detector. ND=not detected above 1 ppm.

GENERAL 1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.  
NOTES: 2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER  
MAY OCCUR DUE TO OTHER FACTORS THAN THOSE PRESENT AT THE TIME MEASUREMENTS WERE MADE.

GZA

BORING No. SB-7

## ENGINEERS AND SCIENTISTS

PROJECT  
Stuart-Oliver-Holtz  
Rochester, New York

BORING No. SB-7  
SHEET 3 OF 3  
FILE No. 19078.10  
CHKD. BY GJK

[illegible]

### LEGEND

**LEGEND**  
S - Split Spoon Soil Sample  
U - Undisturbed Soil Sample  
C - Rock Core Sample

NOTES: Organic Vapor Meter (OVM) reading of headspace HNu PI-101  
photoionization detector.  
ND-not detected above 1 ppm.

GENERAL NOTES: 1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.  
2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER MAY OCCUR DUE TO OTHER FACTORS THAN THOSE PRESENT AT THE TIME MEASUREMENTS WERE MADE.

**GZA**

BORING No. SB-7



| <b>GZA GEOENVIRONMENTAL OF NEW YORK</b><br>364 NAGEL DRIVE, BUFFALO, NEW YORK<br><b>ENGINEERS AND SCIENTISTS</b>                                                                                                                                                                                                               |                       |            |                        |                            | <b>PROJECT</b><br><u>Stuart-Oliver-Holtz</u><br><u>Rochester New York</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                    |                                           | <b>BORING No.</b> <u>SB-8</u><br><b>SHEET</b> <u>1</u> OF <u>3</u><br><b>FILE No.</b> <u>19078.10</u><br><b>CHKD. BY</b> <u>GJK</u> |  |                  |  |  |  |  |      |      |       |        |         |          |       |       |     |                     |  |  |  |  |  |  |  |  |  |  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|------------|------------------------|----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|--|------------------|--|--|--|--|------|------|-------|--------|---------|----------|-------|-------|-----|---------------------|--|--|--|--|--|--|--|--|--|--|
| <b>CONTRACTOR</b> <u>Nothnagle Drilling</u><br><b>DRILLER</b> <u>Steve Lorantz</u><br><b>GZA GEOENVIRONMENTAL REPRESENTATIVE</b> <u>Dave Belaskas</u>                                                                                                                                                                          |                       |            |                        |                            | <b>BORING LOCATION</b> <u>N1123630.93, E751264.87 (NYSPC)</u><br><b>GROUND SURFACE ELEVATION</b> <u>528.2</u> <b>DATUM</b> <u>NVGD</u><br><b>START DATE</b> <u>10/12/94</u> <b>END DATE</b> <u>10/12/94</u>                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                    |                                           |                                                                                                                                     |  |                  |  |  |  |  |      |      |       |        |         |          |       |       |     |                     |  |  |  |  |  |  |  |  |  |  |
| <b>TYPE OF DRILL RIG</b> <u>CME - 75</u><br><b>CASING SIZE AND TYPE</b> <u>2-1/4 inch ID HSA</u><br><b>OVERBURDEN SAMPLING METHOD</b> <u>2 inch OD x 24 inch long</u><br><u>split spoon (ASTM 1586)</u><br><b>ROCK DRILLING METHOD</b> <u>NONE</u>                                                                             |                       |            |                        |                            | <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th colspan="5" style="text-align: center;">WATER LEVEL DATA</th> </tr> <tr> <th style="width:15%;">DATE</th> <th style="width:15%;">TIME</th> <th style="width:15%;">WATER</th> <th style="width:15%;">CASING</th> <th style="width:40%;">REMARKS</th> </tr> <tr> <td>10/12/94</td> <td>11:30</td> <td>18.8'</td> <td>42'</td> <td>Stabilized 15 mins.</td> </tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </table> |                                                                                                                                                                    |                                           |                                                                                                                                     |  | WATER LEVEL DATA |  |  |  |  | DATE | TIME | WATER | CASING | REMARKS | 10/12/94 | 11:30 | 18.8' | 42' | Stabilized 15 mins. |  |  |  |  |  |  |  |  |  |  |
| WATER LEVEL DATA                                                                                                                                                                                                                                                                                                               |                       |            |                        |                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                    |                                           |                                                                                                                                     |  |                  |  |  |  |  |      |      |       |        |         |          |       |       |     |                     |  |  |  |  |  |  |  |  |  |  |
| DATE                                                                                                                                                                                                                                                                                                                           | TIME                  | WATER      | CASING                 | REMARKS                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                    |                                           |                                                                                                                                     |  |                  |  |  |  |  |      |      |       |        |         |          |       |       |     |                     |  |  |  |  |  |  |  |  |  |  |
| 10/12/94                                                                                                                                                                                                                                                                                                                       | 11:30                 | 18.8'      | 42'                    | Stabilized 15 mins.        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                    |                                           |                                                                                                                                     |  |                  |  |  |  |  |      |      |       |        |         |          |       |       |     |                     |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                |                       |            |                        |                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                    |                                           |                                                                                                                                     |  |                  |  |  |  |  |      |      |       |        |         |          |       |       |     |                     |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                |                       |            |                        |                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                    |                                           |                                                                                                                                     |  |                  |  |  |  |  |      |      |       |        |         |          |       |       |     |                     |  |  |  |  |  |  |  |  |  |  |
| <b>D<br/>E<br/>P<br/>T<br/>H</b>                                                                                                                                                                                                                                                                                               | <b>SAMPLE</b>         |            |                        |                            | <b>SAMPLE DESCRIPTION</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | <b>Peak<br/>OVM<br/>Read<br/>(PPM)</b>                                                                                                                             | <b>EQUIPMENT<br/>INSTALLATION<br/>LOG</b> | <b>NOTES</b>                                                                                                                        |  |                  |  |  |  |  |      |      |       |        |         |          |       |       |     |                     |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                | <b>BLOWS<br/>/ 6"</b> | <b>NO.</b> | <b>DEPTH<br/>(FT.)</b> | <b>N-VALUE<br/>/RQD(%)</b> | <b>RECOVERY<br/>(%)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                    |                                           |                                                                                                                                     |  |                  |  |  |  |  |      |      |       |        |         |          |       |       |     |                     |  |  |  |  |  |  |  |  |  |  |
| 1                                                                                                                                                                                                                                                                                                                              | 3                     | S-1        | 0.5-2                  | 7                          | 40                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | ND                                                                                                                                                                 |                                           |                                                                                                                                     |  |                  |  |  |  |  |      |      |       |        |         |          |       |       |     |                     |  |  |  |  |  |  |  |  |  |  |
| 1                                                                                                                                                                                                                                                                                                                              | 4                     |            |                        |                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | ND                                                                                                                                                                 |                                           |                                                                                                                                     |  |                  |  |  |  |  |      |      |       |        |         |          |       |       |     |                     |  |  |  |  |  |  |  |  |  |  |
| 2                                                                                                                                                                                                                                                                                                                              | 10                    |            |                        |                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 1                                                                                                                                                                  |                                           |                                                                                                                                     |  |                  |  |  |  |  |      |      |       |        |         |          |       |       |     |                     |  |  |  |  |  |  |  |  |  |  |
| 2                                                                                                                                                                                                                                                                                                                              | 6                     | S-2        | 2-4                    | 9                          | 70                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | ND                                                                                                                                                                 |                                           |                                                                                                                                     |  |                  |  |  |  |  |      |      |       |        |         |          |       |       |     |                     |  |  |  |  |  |  |  |  |  |  |
| 3                                                                                                                                                                                                                                                                                                                              | 4                     |            |                        |                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 1                                                                                                                                                                  |                                           |                                                                                                                                     |  |                  |  |  |  |  |      |      |       |        |         |          |       |       |     |                     |  |  |  |  |  |  |  |  |  |  |
| 3                                                                                                                                                                                                                                                                                                                              | 5                     |            |                        |                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | ND                                                                                                                                                                 |                                           |                                                                                                                                     |  |                  |  |  |  |  |      |      |       |        |         |          |       |       |     |                     |  |  |  |  |  |  |  |  |  |  |
| 4                                                                                                                                                                                                                                                                                                                              | 16                    |            |                        |                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 2                                                                                                                                                                  |                                           |                                                                                                                                     |  |                  |  |  |  |  |      |      |       |        |         |          |       |       |     |                     |  |  |  |  |  |  |  |  |  |  |
| 5                                                                                                                                                                                                                                                                                                                              | 8                     | S-3        | 4-6                    | 12                         | 100                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 2                                                                                                                                                                  |                                           |                                                                                                                                     |  |                  |  |  |  |  |      |      |       |        |         |          |       |       |     |                     |  |  |  |  |  |  |  |  |  |  |
| 5                                                                                                                                                                                                                                                                                                                              | 7                     |            |                        |                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 2                                                                                                                                                                  |                                           |                                                                                                                                     |  |                  |  |  |  |  |      |      |       |        |         |          |       |       |     |                     |  |  |  |  |  |  |  |  |  |  |
| 6                                                                                                                                                                                                                                                                                                                              | 5                     |            |                        |                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | ND                                                                                                                                                                 |                                           |                                                                                                                                     |  |                  |  |  |  |  |      |      |       |        |         |          |       |       |     |                     |  |  |  |  |  |  |  |  |  |  |
| 6                                                                                                                                                                                                                                                                                                                              | 6                     |            |                        |                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 1                                                                                                                                                                  |                                           |                                                                                                                                     |  |                  |  |  |  |  |      |      |       |        |         |          |       |       |     |                     |  |  |  |  |  |  |  |  |  |  |
| 7                                                                                                                                                                                                                                                                                                                              | 3                     | S-4        | 6-8                    | 9                          | 90                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 2                                                                                                                                                                  |                                           |                                                                                                                                     |  |                  |  |  |  |  |      |      |       |        |         |          |       |       |     |                     |  |  |  |  |  |  |  |  |  |  |
| 7                                                                                                                                                                                                                                                                                                                              | 4                     |            |                        |                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 2                                                                                                                                                                  |                                           |                                                                                                                                     |  |                  |  |  |  |  |      |      |       |        |         |          |       |       |     |                     |  |  |  |  |  |  |  |  |  |  |
| 8                                                                                                                                                                                                                                                                                                                              | 13                    |            |                        |                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | ND                                                                                                                                                                 |                                           |                                                                                                                                     |  |                  |  |  |  |  |      |      |       |        |         |          |       |       |     |                     |  |  |  |  |  |  |  |  |  |  |
| 8                                                                                                                                                                                                                                                                                                                              | 13                    | S-5        | 8-10                   | 33                         | 60                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 1                                                                                                                                                                  |                                           |                                                                                                                                     |  |                  |  |  |  |  |      |      |       |        |         |          |       |       |     |                     |  |  |  |  |  |  |  |  |  |  |
| 9                                                                                                                                                                                                                                                                                                                              | 18                    |            |                        |                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 2                                                                                                                                                                  |                                           |                                                                                                                                     |  |                  |  |  |  |  |      |      |       |        |         |          |       |       |     |                     |  |  |  |  |  |  |  |  |  |  |
| 9                                                                                                                                                                                                                                                                                                                              | 15                    |            |                        |                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | ND                                                                                                                                                                 |                                           |                                                                                                                                     |  |                  |  |  |  |  |      |      |       |        |         |          |       |       |     |                     |  |  |  |  |  |  |  |  |  |  |
| 10                                                                                                                                                                                                                                                                                                                             | 13                    |            |                        |                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 1                                                                                                                                                                  |                                           |                                                                                                                                     |  |                  |  |  |  |  |      |      |       |        |         |          |       |       |     |                     |  |  |  |  |  |  |  |  |  |  |
| 10                                                                                                                                                                                                                                                                                                                             | 9                     | S-6        | 10-12                  | 37                         | 75                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 2                                                                                                                                                                  |                                           |                                                                                                                                     |  |                  |  |  |  |  |      |      |       |        |         |          |       |       |     |                     |  |  |  |  |  |  |  |  |  |  |
| 11                                                                                                                                                                                                                                                                                                                             | 15                    |            |                        |                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 2                                                                                                                                                                  |                                           |                                                                                                                                     |  |                  |  |  |  |  |      |      |       |        |         |          |       |       |     |                     |  |  |  |  |  |  |  |  |  |  |
| 11                                                                                                                                                                                                                                                                                                                             | 22                    |            |                        |                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | ND                                                                                                                                                                 |                                           |                                                                                                                                     |  |                  |  |  |  |  |      |      |       |        |         |          |       |       |     |                     |  |  |  |  |  |  |  |  |  |  |
| 12                                                                                                                                                                                                                                                                                                                             | 26                    |            |                        |                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 1                                                                                                                                                                  |                                           |                                                                                                                                     |  |                  |  |  |  |  |      |      |       |        |         |          |       |       |     |                     |  |  |  |  |  |  |  |  |  |  |
| 12                                                                                                                                                                                                                                                                                                                             | 12                    | S-7        | 12-14                  | 27                         | 80                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 2                                                                                                                                                                  |                                           |                                                                                                                                     |  |                  |  |  |  |  |      |      |       |        |         |          |       |       |     |                     |  |  |  |  |  |  |  |  |  |  |
| 13                                                                                                                                                                                                                                                                                                                             | 13                    |            |                        |                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | ND                                                                                                                                                                 |                                           |                                                                                                                                     |  |                  |  |  |  |  |      |      |       |        |         |          |       |       |     |                     |  |  |  |  |  |  |  |  |  |  |
| 13                                                                                                                                                                                                                                                                                                                             | 14                    |            |                        |                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 1                                                                                                                                                                  |                                           |                                                                                                                                     |  |                  |  |  |  |  |      |      |       |        |         |          |       |       |     |                     |  |  |  |  |  |  |  |  |  |  |
| 14                                                                                                                                                                                                                                                                                                                             | 22                    |            |                        |                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 2                                                                                                                                                                  |                                           |                                                                                                                                     |  |                  |  |  |  |  |      |      |       |        |         |          |       |       |     |                     |  |  |  |  |  |  |  |  |  |  |
| 14                                                                                                                                                                                                                                                                                                                             | 18                    | S-8        | 14-15.4                | >100                       | 90                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | ND                                                                                                                                                                 |                                           |                                                                                                                                     |  |                  |  |  |  |  |      |      |       |        |         |          |       |       |     |                     |  |  |  |  |  |  |  |  |  |  |
| 15                                                                                                                                                                                                                                                                                                                             | 20                    |            |                        |                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 1                                                                                                                                                                  |                                           |                                                                                                                                     |  |                  |  |  |  |  |      |      |       |        |         |          |       |       |     |                     |  |  |  |  |  |  |  |  |  |  |
| 15                                                                                                                                                                                                                                                                                                                             | 100/0                 | 4'         |                        |                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 2                                                                                                                                                                  |                                           |                                                                                                                                     |  |                  |  |  |  |  |      |      |       |        |         |          |       |       |     |                     |  |  |  |  |  |  |  |  |  |  |
| 16                                                                                                                                                                                                                                                                                                                             | 100/0                 | 2'S        | 19 16-16.2             | >100                       | NR                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | ND                                                                                                                                                                 |                                           |                                                                                                                                     |  |                  |  |  |  |  |      |      |       |        |         |          |       |       |     |                     |  |  |  |  |  |  |  |  |  |  |
| <b>LEGEND</b><br>S - Split Spoon Soil Sample<br>U - Undisturbed Soil Sample<br>C - Rock Core Sample                                                                                                                                                                                                                            |                       |            |                        |                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | <b>NOTES:</b> (1) Organic Vapor Meter (OVM) reading of headspace using H-Nu PI-101 photoionization detector. ND=not detected above 1 ppm.<br>(2) NR = No recovery. |                                           |                                                                                                                                     |  |                  |  |  |  |  |      |      |       |        |         |          |       |       |     |                     |  |  |  |  |  |  |  |  |  |  |
| <b>GENERAL</b> 1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.<br>NOTES: 2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER MAY OCCUR DUE TO OTHER FACTORS THAN THOSE PRESENT AT THE TIME MEASUREMENTS WERE MADE. |                       |            |                        |                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                    |                                           |                                                                                                                                     |  |                  |  |  |  |  |      |      |       |        |         |          |       |       |     |                     |  |  |  |  |  |  |  |  |  |  |
| <b>BORING No.</b> <u>SB-8</u>                                                                                                                                                                                                                                                                                                  |                       |            |                        |                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                    |                                           |                                                                                                                                     |  |                  |  |  |  |  |      |      |       |        |         |          |       |       |     |                     |  |  |  |  |  |  |  |  |  |  |

| DEPTH<br>H | SAMPLE        |      |                |                    |                 | SAMPLE DESCRIPTION                                                       | (1)<br>Peak<br>OVM<br>Read<br>(PPM) | EQUIPMENT<br>INSTALLATION<br>LOG | NOTES                                      |
|------------|---------------|------|----------------|--------------------|-----------------|--------------------------------------------------------------------------|-------------------------------------|----------------------------------|--------------------------------------------|
|            | BLOWS<br>/ 6" | NO.  | DEPTH<br>(FT.) | N-VALUE<br>/RQD(%) | RECOVERY<br>(%) |                                                                          |                                     |                                  |                                            |
| 17         |               |      |                |                    |                 |                                                                          |                                     |                                  |                                            |
| 18         | 100/0.5'      | S-10 | 18-18.5        | 5                  | NR              | No recovery.<br>[UPPER TILL]                                             |                                     |                                  | Cement/Bentonite grout<br>from GS to 42.8' |
| 19         | 100/0         | 5'   |                |                    |                 |                                                                          |                                     |                                  |                                            |
| 20         | 100/0.3'      | S-11 | 20-20.3        | >100               | NR              | No recovery.                                                             |                                     |                                  |                                            |
| 21         |               |      |                |                    |                 |                                                                          |                                     |                                  |                                            |
| 22         | 44            | S-12 | 22-23.4        | >100               | 80              | grades to little clayey<br>Silt, trace Gravel, moist.                    | ND                                  |                                  |                                            |
| 23         | 50            |      |                |                    |                 |                                                                          |                                     |                                  |                                            |
| 24         | 100/0         | 4'   |                |                    |                 | Rock fragments at top of<br>spoon.                                       |                                     |                                  |                                            |
| 25         | 35            | S-13 | 24-25          | >100               | 100             | same.                                                                    | ND                                  |                                  |                                            |
| 26         | 100/0         | 5'   |                |                    |                 |                                                                          |                                     |                                  |                                            |
| 27         |               |      |                |                    |                 | [UPPER TILL]                                                             |                                     |                                  |                                            |
| 28         | 24            | S-14 | 26-28          | 56                 | 100             | same.                                                                    |                                     |                                  |                                            |
| 29         | 26            |      |                |                    |                 | Very Dense, gray, fine to<br>coarse SAND, little clayey<br>Silt, wet.    | 300                                 |                                  |                                            |
| 30         | 30            |      |                |                    |                 |                                                                          |                                     |                                  |                                            |
| 31         | 24            | S-15 | 28-30          | 82                 | 100             | same.                                                                    | 500                                 |                                  |                                            |
| 32         | 36            |      |                |                    |                 |                                                                          |                                     |                                  |                                            |
| 33         | 46            |      |                |                    |                 | (SAND STRATUM, 26.5 to 32.0)                                             |                                     |                                  |                                            |
| 34         | 64            |      |                |                    |                 |                                                                          |                                     |                                  |                                            |
| 35         | 12            | S-16 | 30-32          | 55                 | 100             | grades, fine to medium SAND,<br>trace clayey Silt.                       | 40                                  |                                  |                                            |
| 36         | 23            |      |                |                    |                 |                                                                          |                                     |                                  |                                            |
| 37         | 32            |      |                |                    |                 |                                                                          |                                     |                                  |                                            |
| 38         | 31            |      |                |                    |                 | [UPPER TILL] 32.0'                                                       |                                     |                                  |                                            |
| 39         | 17            | S-17 | 32-34          | 57                 | 40              | Very Dense, brown, fine to<br>coarse SAND, little clayey<br>Silt, moist. | 10                                  |                                  |                                            |
| 40         | 22            |      |                |                    |                 |                                                                          |                                     |                                  |                                            |
| 41         | 35            |      |                |                    |                 |                                                                          |                                     |                                  |                                            |
| 42         | 56            |      |                |                    |                 |                                                                          |                                     |                                  |                                            |
| 43         | 66            | S-18 | 34-35          | >100               | 100             | [LOWER TILL]                                                             | 20                                  |                                  |                                            |
| 44         | 100/0         | 5'   |                |                    |                 |                                                                          |                                     |                                  |                                            |
| 45         |               |      |                |                    |                 |                                                                          |                                     |                                  |                                            |
| 46         |               |      |                |                    |                 | grades to some clayey Silt,<br>trace Gravel.                             |                                     |                                  |                                            |
| 47         | 24            | S-19 | 36-38          | 97                 | 75              |                                                                          |                                     |                                  |                                            |

LEGEND  
S - Split Spoon Soil Sample  
U - Undisturbed Soil Sample  
C - Rock Core Sample

NOTES: (1) Organic Vapor Meter (OVM) reading of headspace HNu PI-101  
photoionization detector. ND=not detected above 1 ppm.

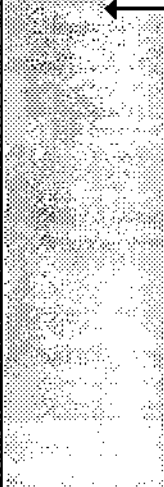
GENERAL 1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.  
NOTES: 2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER  
MAY OCCUR DUE TO OTHER FACTORS THAN THOSE PRESENT AT THE TIME MEASUREMENTS WERE MADE.

GZA GEOENVIRONMENTAL OF NEW YORK  
364 NAGEL DRIVE, BUFFALO, NEW YORK

ENGINEERS AND SCIENTISTS

PROJECT  
Stuart-Oliver-Holtz  
Rochester, New York

BORING No. SB-8  
SHEET 3 OF 3  
FILE No. 19078.10  
CHKD. BY GJK

| DEPTH | SAMPLE        |      |                |                    |                 | SAMPLE DESCRIPTION                               | (1)<br>Peak<br>OVM<br>Read<br>(PPM) | EQUIPMENT<br>INSTALLATION<br>LOG                                                    | NOTES                                      |
|-------|---------------|------|----------------|--------------------|-----------------|--------------------------------------------------|-------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------|
|       | BLOWS<br>/ 6" | NO.  | DEPTH<br>(FT.) | N-VALUE<br>/RQD(%) | RECOVERY<br>(%) |                                                  |                                     |                                                                                     |                                            |
| 37    | 30            |      |                |                    |                 | same.                                            | 1.5                                 |  | Cement/Bentonite grout<br>from GS to 42.0' |
|       | 67            |      |                |                    |                 |                                                  |                                     |                                                                                     |                                            |
|       | 30            |      |                |                    |                 |                                                  |                                     |                                                                                     |                                            |
| 38    | 9             | S-20 | 38-40          | 5                  | 10              | same.                                            | 1                                   |                                                                                     |                                            |
|       | 3             |      |                |                    |                 |                                                  |                                     |                                                                                     |                                            |
|       | 2             |      |                |                    |                 |                                                  |                                     |                                                                                     |                                            |
| 39    | 1             |      |                |                    |                 | same.                                            |                                     |                                                                                     |                                            |
|       | 4             | S-21 | 40-41.9        | 37                 | 80              |                                                  |                                     |                                                                                     |                                            |
|       | 13            |      |                |                    |                 |                                                  |                                     |                                                                                     |                                            |
| 40    | 4             | S-21 | 40-41.9        | 37                 | 80              | [LOWER TILL] 41.0'                               | 10.5                                |                                                                                     |                                            |
|       | 13            |      |                |                    |                 |                                                  |                                     |                                                                                     |                                            |
|       | 24            |      |                |                    |                 |                                                  |                                     |                                                                                     |                                            |
| 41    | 100/0.4'      |      |                |                    |                 | Brown to green layered<br>weathered rock, moist. |                                     |                                                                                     |                                            |
| 42    | 100/0.4'      | S-22 | 42-42.4        | >100               | 30              | [SEVERELY WEATHERED BEDROCK]                     | 2                                   |                                                                                     |                                            |
|       |               |      |                |                    |                 | Auger refusal at 42.8'.                          | ND                                  |                                                                                     |                                            |
| 43    |               |      |                |                    |                 | Bottom of boring at 42.8'.                       |                                     |                                                                                     |                                            |
|       |               |      |                |                    |                 |                                                  |                                     |                                                                                     |                                            |
|       |               |      |                |                    |                 |                                                  |                                     |                                                                                     |                                            |
| 44    |               |      |                |                    |                 |                                                  |                                     |                                                                                     |                                            |
|       |               |      |                |                    |                 |                                                  |                                     |                                                                                     |                                            |
|       |               |      |                |                    |                 |                                                  |                                     |                                                                                     |                                            |
| 45    |               |      |                |                    |                 |                                                  |                                     |                                                                                     |                                            |
|       |               |      |                |                    |                 |                                                  |                                     |                                                                                     |                                            |
|       |               |      |                |                    |                 |                                                  |                                     |                                                                                     |                                            |
| 46    |               |      |                |                    |                 |                                                  |                                     |                                                                                     |                                            |
|       |               |      |                |                    |                 |                                                  |                                     |                                                                                     |                                            |
|       |               |      |                |                    |                 |                                                  |                                     |                                                                                     |                                            |
|       |               |      |                |                    |                 |                                                  |                                     |                                                                                     |                                            |
|       |               |      |                |                    |                 |                                                  |                                     |                                                                                     |                                            |
|       |               |      |                |                    |                 |                                                  |                                     |                                                                                     |                                            |

LEGEND

S - Split Spoon Soil Sample  
U - Undisturbed Soil Sample  
C - Rock Core Sample

NOTES: (1) Organic Vapor Meter (OVM) reading of headspace HNu PI-101  
photoionization detector. ND=not detected above 1 ppm.

GENERAL 1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.  
NOTES: 2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER  
MAY OCCUR DUE TO OTHER FACTORS THAN THOSE PRESENT AT THE TIME MEASUREMENTS WERE MADE.

GZA

BORING No. SB-8

GZA GEOENVIRONMENTAL OF NEW YORK  
364 NAGEL DRIVE, BUFFALO, NEW YORK

ENGINEERS AND SCIENTISTS

PROJECT  
Stuart-Oliver-Holtz  
Rochester New York

BORING No. SB-9  
SHEET 1 OF 2  
FILE No. 19078.10  
CHKD. BY GJK

CONTRACTOR Nothnagle Drilling  
DRILLER Steve Lorantz  
GZA GEOENVIRONMENTAL REPRESENTATIVE Dave Belaskas

BORING LOCATION N1123850.53, E751209.65 (NYSPEC)  
GROUND SURFACE ELEVATION 526.0 DATUM NAVD  
START DATE 10/07/94 END DATE 10/07/94

TYPE OF DRILL RIG CME - 75  
CASING SIZE AND TYPE 2-1/4 inch ID HSA  
OVERBURDEN SAMPLING METHOD 2 inch OD x 24 inch long  
split spoon (ASTM 1586)  
ROCK DRILLING METHOD

WATER LEVEL DATA

| DATE | TIME | WATER | CASING | REMARKS |
|------|------|-------|--------|---------|
|      |      |       |        |         |
|      |      |       |        |         |
|      |      |       |        |         |

| DEPTH | SAMPLE        |     |                |                    |                 | (1)<br>Peak<br>OVM<br>Read<br>(PPM)                                                                         | EQUIPMENT<br>INSTALLATION<br>LOG | NOTES                                     |
|-------|---------------|-----|----------------|--------------------|-----------------|-------------------------------------------------------------------------------------------------------------|----------------------------------|-------------------------------------------|
|       | BLOWS<br>/ 6" | NO. | DEPTH<br>(FT.) | N-VALUE<br>/RQD(%) | RECOVERY<br>(%) |                                                                                                             |                                  |                                           |
| 1     | 1             | S-1 | 0-2            | 8                  | 75              | Loose, brown, fine to medium SAND, little clayey Silt, moist, roots.                                        | ND                               | ← Cement/Bentonite Grout from GS to 29.3' |
|       | 3             |     |                |                    |                 | [FILL]                                                                                                      |                                  |                                           |
|       | 5             |     |                |                    |                 |                                                                                                             |                                  |                                           |
| 2     | 7             |     |                |                    |                 |                                                                                                             |                                  |                                           |
|       | 4             | S-2 | 2-4            | 13                 | 50              | grades to, and SILT & CLAY.                                                                                 | ND                               |                                           |
|       | 6             |     |                |                    |                 |                                                                                                             |                                  |                                           |
| 3     | 7             |     |                |                    |                 |                                                                                                             |                                  |                                           |
|       | 8             |     |                |                    |                 | [FILL] 4.0'                                                                                                 | ND                               |                                           |
| 4     | 7             | S-3 | 4-6            | 20                 | 75              | Very stiff, brown, CLAY & SILT, some fine to medium Sand, moist.                                            | ND                               |                                           |
|       | 8             |     |                |                    |                 |                                                                                                             |                                  |                                           |
| 5     | 12            |     |                |                    |                 | [LACUSTRINE]                                                                                                |                                  |                                           |
|       | 14            |     |                |                    |                 |                                                                                                             |                                  |                                           |
| 6     | 4             | S-4 | 6-8            | 23                 | 50              | same.                                                                                                       | ND                               |                                           |
|       | 7             |     |                |                    |                 |                                                                                                             |                                  |                                           |
| 7     | 16            |     |                |                    |                 | (fine sand and gravel seam 7.5-7.8, moist).                                                                 |                                  |                                           |
|       | 18            |     |                |                    |                 |                                                                                                             |                                  |                                           |
| 8     | 4             | S-5 | 8-10           | 18                 | 70              | same.                                                                                                       | ND                               |                                           |
|       | 8             |     |                |                    |                 | [LACUSTRINE] 9.0'                                                                                           | ND                               |                                           |
| 9     | 10            |     |                |                    |                 |                                                                                                             |                                  |                                           |
| 10    | 12            |     |                |                    |                 | Medium Dense, fine to coarse SAND, some clayey Silt, some Gravel, wet.                                      | ND                               |                                           |
|       | 6             | S-6 | 10-12          | 16                 | 50              | [UPPER TILL]<br>Medium dense, brown fine to coarse SAND, some clayey Silt, some fine to coarse Gravel, wet. |                                  |                                           |
| 11    | 10            |     |                |                    |                 |                                                                                                             |                                  |                                           |
|       | 6             |     |                |                    |                 | [UPPER TILL]                                                                                                |                                  |                                           |
| 12    | 10            |     |                |                    |                 |                                                                                                             |                                  |                                           |
|       | 9             | S-7 | 12-14          | 10                 | 75              | Very loose brown, fine to coarse SAND, little Clay & Silt, trace Gravel, wet.                               | ND                               |                                           |
| 13    | 9             |     |                |                    |                 |                                                                                                             |                                  |                                           |
|       | 1             |     |                |                    |                 | (SAND STRATUM 12.0 to 15.0)                                                                                 |                                  |                                           |
|       | 1             |     |                |                    |                 |                                                                                                             |                                  |                                           |
| 14    | 8             | S-8 | 14-16          | 51                 | 70              | same.                                                                                                       |                                  |                                           |
|       | 18            |     |                |                    |                 | [UPPER TILL] 15.0'                                                                                          | ND                               |                                           |
| 15    | 33            |     |                |                    |                 |                                                                                                             |                                  |                                           |
|       | 37            |     |                |                    |                 | Very dense, brown, fine to coarse SAND, some clayey Silt, trace Gravel, moist.                              |                                  |                                           |
| 16    | 13            | S-9 | 16-17.3        | >100               | 75              | [LOWER TILL]                                                                                                |                                  |                                           |

LEGEND  
S - Split Spoon Soil Sample  
U - Undisturbed Soil Sample  
C - Rock Core Sample

NOTES: (1) Organic Vapor Meter (OVM) reading of headspace using HNu PI-101 photoionization detector. ND=not detected above 1 ppm.

GENERAL 1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.  
NOTES: 2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER MAY OCCUR DUE TO OTHER FACTORS THAN THOSE PRESENT AT THE TIME MEASUREMENTS WERE MADE.

GZA

BORING No. SB-9

GZA GEOENVIRONMENTAL OF NEW YORK  
364 NAGEL DRIVE, BUFFALO, NEW YORK

ENGINEERS AND SCIENTISTS

PROJECT  
Stuart-Oliver-Holtz  
Rochester, New York

BORING No. SB-9  
SHEET 2 OF 2  
FILE No. 19078.10  
CHKD. BY GJK

| DEPTH | SAMPLE        |      |                |                    |                 | SAMPLE DESCRIPTION                                                                   | (1)<br>Peak<br>OVM<br>Read<br>(PPM) | EQUIPMENT<br>INSTALLATION<br>LOG | NOTES                                      |
|-------|---------------|------|----------------|--------------------|-----------------|--------------------------------------------------------------------------------------|-------------------------------------|----------------------------------|--------------------------------------------|
|       | BLOWS<br>/ 6" | NO.  | DEPTH<br>(FT.) | N-VALUE<br>/RQD(%) | RECOVERY<br>(%) |                                                                                      |                                     |                                  |                                            |
| 17    | 28            |      |                |                    |                 | (Wet from 16.5' to 17').                                                             | ND                                  |                                  | Cement/Bentonite Grout<br>from GS to 29.3' |
|       | 100/0         | 3'   |                |                    |                 |                                                                                      |                                     |                                  |                                            |
| 18    |               |      |                |                    |                 |                                                                                      |                                     |                                  |                                            |
|       | 14            | S-10 | 18-19.8        | 90                 | 75              | Very dense, brown, fine to<br>coarse SAND, some clayey<br>Silt, trace Gravel, moist. | ND                                  |                                  |                                            |
| 19    | 40            |      |                |                    |                 |                                                                                      |                                     |                                  |                                            |
|       | 50            |      |                |                    |                 |                                                                                      |                                     |                                  |                                            |
| 20    | 100/0         | 3'   |                |                    |                 |                                                                                      |                                     |                                  |                                            |
|       | 18            | S-11 | 20-21.5        | >100               | 100             | same.                                                                                | ND                                  |                                  |                                            |
|       | 46            |      |                |                    |                 | [LOWER TILL]                                                                         |                                     |                                  |                                            |
| 21    | 100/0         | 5'   |                |                    |                 |                                                                                      |                                     |                                  |                                            |
| 22    |               |      |                |                    |                 |                                                                                      |                                     |                                  |                                            |
|       | 30            | S-12 | 22-24          | >100               | 75              | same.                                                                                | ND                                  |                                  |                                            |
|       | 49            |      |                |                    |                 |                                                                                      |                                     |                                  |                                            |
| 23    | 60            |      |                |                    |                 | (fine to medium Sand lens<br>from 23.5 - 23.6').                                     |                                     |                                  |                                            |
|       | 57            |      |                |                    |                 |                                                                                      |                                     |                                  |                                            |
| 24    | 20            | S-13 | 24-26          | 58                 | 80              | same.                                                                                | ND                                  |                                  |                                            |
|       | 25            |      |                |                    |                 |                                                                                      |                                     |                                  |                                            |
| 25    | 33            |      |                |                    |                 |                                                                                      |                                     |                                  |                                            |
|       | 40            |      |                |                    |                 |                                                                                      |                                     |                                  |                                            |
| 26    | 31            | S-14 | 26-27.6        | 90                 | 100             | same.                                                                                | ND                                  |                                  |                                            |
|       | 40            |      |                |                    |                 |                                                                                      |                                     |                                  |                                            |
| 27    | 50            |      |                |                    |                 |                                                                                      |                                     |                                  |                                            |
|       | 100/. '       |      |                |                    |                 |                                                                                      |                                     |                                  |                                            |
| 28    | 40            | S-15 | 28-29.3        | >100               | 50              | same. [LOWER TILL]                                                                   | ND                                  |                                  |                                            |
|       | 80            |      |                |                    |                 | Bottom of boring at 28.3'.                                                           |                                     |                                  |                                            |
| 29    | 100/0         | 3'   |                |                    |                 |                                                                                      |                                     |                                  |                                            |
|       |               |      |                |                    |                 | Bottom of boring at 29.3'                                                            |                                     |                                  |                                            |
| 30    |               |      |                |                    |                 |                                                                                      |                                     |                                  |                                            |
|       |               |      |                |                    |                 |                                                                                      |                                     |                                  |                                            |
| 31    |               |      |                |                    |                 |                                                                                      |                                     |                                  |                                            |
|       |               |      |                |                    |                 |                                                                                      |                                     |                                  |                                            |
| 32    |               |      |                |                    |                 |                                                                                      |                                     |                                  |                                            |
|       |               |      |                |                    |                 |                                                                                      |                                     |                                  |                                            |
| 33    |               |      |                |                    |                 |                                                                                      |                                     |                                  |                                            |
|       |               |      |                |                    |                 |                                                                                      |                                     |                                  |                                            |
| 34    |               |      |                |                    |                 |                                                                                      |                                     |                                  |                                            |
|       |               |      |                |                    |                 |                                                                                      |                                     |                                  |                                            |
| 35    |               |      |                |                    |                 |                                                                                      |                                     |                                  |                                            |
|       |               |      |                |                    |                 |                                                                                      |                                     |                                  |                                            |
| 36    |               |      |                |                    |                 |                                                                                      |                                     |                                  |                                            |

LEGEND

S - Split Spoon Soil Sample  
U - Undisturbed Soil Sample  
C - Rock Core Sample

NOTES: (1) Organic Vapor Meter (OVM) reading of headspace HNu PI-101  
photoionization detector. ND=not detected above 1 ppm.

GENERAL 1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.  
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MAY OCCUR DUE TO OTHER FACTORS THAN THOSE PRESENT AT THE TIME MEASUREMENTS WERE MADE.

GZA

BORING No. SB-9

GZA GEOENVIRONMENTAL OF NEW YORK  
364 NAGEL DRIVE, BUFFALO, NEW YORK

ENGINEERS AND SCIENTISTS

PROJECT

Stuart-Oliver-Holtz  
Rochester New York

BORING No. SB-10

SHEET 1 OF 2

FILE No. 19078.10

CHKD. BY GJK

CONTRACTOR Nothnagle Drilling

DRILLER Steve Lorantz

GZA GEOENVIRONMENTAL REPRESENTATIVE Dave Belaskas

BORING LOCATION N1123732.36, E751186.11 (NYSPEC)

GROUND SURFACE ELEVATION 527.3 DATUM NAVD

START DATE 10/10/94 END DATE 10/10/94

TYPE OF DRILL RIG CME - 75

CASING SIZE AND TYPE 2-1/4 inch ID HSA

OVERBURDEN SAMPLING METHOD 2 inch OD x 24 inch long  
split spoon (ASTM 1586)

ROCK DRILLING METHOD

WATER LEVEL DATA

| DATE     | TIME  | WATER | CASING | REMARKS             |
|----------|-------|-------|--------|---------------------|
| 10/10/94 | 10:00 | DRY   | 28'    | Stabilized 15 mins. |

| DEPTH | SAMPLE        |     |                |                    |                 | (1)<br>Peak<br>OVM<br>Read<br>(PPM) | EQUIPMENT<br>INSTALLATION<br>LOG | NOTES                                       |
|-------|---------------|-----|----------------|--------------------|-----------------|-------------------------------------|----------------------------------|---------------------------------------------|
|       | BLOWS<br>/ 6" | NO. | DEPTH<br>(FT.) | N-VALUE<br>/RQD(%) | RECOVERY<br>(%) |                                     |                                  |                                             |
| 1     | 4             | S-1 | 0-2            | 17                 | 25              | ND                                  |                                  | Cement/Bentonite Grout<br>from GS to 29.7'. |
|       | 12            |     |                |                    |                 |                                     |                                  |                                             |
|       | 5             |     |                |                    |                 |                                     |                                  |                                             |
| 2     | 4             |     |                |                    |                 |                                     |                                  |                                             |
|       | 4             | S-2 | 2-4            | 9                  | 30              | ND                                  |                                  |                                             |
|       | 4             |     |                |                    |                 |                                     |                                  |                                             |
| 3     | 5             |     |                |                    |                 |                                     |                                  |                                             |
|       | 9             |     |                |                    |                 |                                     |                                  |                                             |
| 4     | 2             | S-3 | 4-6            | 7                  | NR              | ND                                  |                                  |                                             |
|       | 3             |     |                |                    |                 |                                     |                                  |                                             |
| 5     | 4             |     |                |                    |                 |                                     |                                  |                                             |
|       | 4             |     |                |                    |                 |                                     |                                  |                                             |
| 6     | 4             | S-4 | 6-8            | 10                 | 100             | ND                                  |                                  |                                             |
|       | 4             |     |                |                    |                 |                                     |                                  |                                             |
| 7     | 6             |     |                |                    |                 |                                     |                                  |                                             |
|       | 9             |     |                |                    |                 |                                     |                                  |                                             |
| 8     | 4             | S-5 | 8-10'          | 17                 | 75              | ND                                  |                                  |                                             |
|       | 7             |     |                |                    |                 |                                     |                                  |                                             |
| 9     | 10            |     |                |                    |                 |                                     |                                  |                                             |
|       | 12            |     |                |                    |                 |                                     |                                  |                                             |
| 10    | 3             | S-6 | 10-12          | 13                 | 90              | ND                                  |                                  |                                             |
|       | 6             |     |                |                    |                 |                                     |                                  |                                             |
| 11    | 7             |     |                |                    |                 |                                     |                                  |                                             |
|       | 8             |     |                |                    |                 |                                     |                                  |                                             |
| 12    | 2             | S-7 | 12-14          | 8                  | 75              | ND                                  |                                  |                                             |
|       | 3             |     |                |                    |                 |                                     |                                  |                                             |
| 13    | 5             |     |                |                    |                 |                                     |                                  |                                             |
|       | 5             |     |                |                    |                 |                                     |                                  |                                             |
| 14    | 3             | S-8 | 14-16          | 12                 | 30              | ND                                  |                                  |                                             |
|       | 4             |     |                |                    |                 |                                     |                                  |                                             |
| 15    | 8             |     |                |                    |                 |                                     |                                  |                                             |
|       | 7             |     |                |                    |                 |                                     |                                  |                                             |
| 16    | 4             | S-9 | 16-18          | 9                  | 50              |                                     |                                  |                                             |

LEGEND

S - Split Spoon Soil Sample  
U - Undisturbed Soil Sample  
C - Rock Core Sample

NOTES: (1) Organic Vapor Meter (OVM) reading of headspace using HNu PI-101 photoionization detector. ND=not detected above 1 ppm.

GENERAL 1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.  
NOTES: 2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER  
MAY OCCUR DUE TO OTHER FACTORS THAN THOSE PRESENT AT THE TIME MEASUREMENTS WERE MADE.

GZA

BORING No. SB-10

GZA GEOENVIRONMENTAL OF NEW YORK  
364 NAGEL DRIVE, BUFFALO, NEW YORK

ENGINEERS AND SCIENTISTS

PROJECT  
Stuart-Oliver-Holtz  
Rochester, New York

BORING No. SB-10  
SHEET 2 OF 2  
FILE No. 19078.10  
CHKD. BY GJK

| DEPTH | SAMPLE        |      |                |                    |                 | SAMPLE DESCRIPTION                                                                                                                               | (1)<br>Peak<br>OVM<br>Read<br>(PPM) | EQUIPMENT<br>INSTALLATION<br>LOG              | NOTES |
|-------|---------------|------|----------------|--------------------|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|-----------------------------------------------|-------|
|       | BLOWS<br>/ 6" | NO.  | DEPTH<br>(FT.) | N-VALUE<br>/RQD(%) | RECOVERY<br>(%) |                                                                                                                                                  |                                     |                                               |       |
| 17    | 5             |      |                |                    |                 | Loose, grey, fine to coarse<br>SAND, little Gravel, trace<br>Clayey Silt, wet.                                                                   | ND                                  | ← Cement/Bentonite Grout<br>from GS to 29.7'. |       |
|       | 4             |      |                |                    |                 |                                                                                                                                                  | ND                                  |                                               |       |
| 18    | 5             |      |                |                    |                 |                                                                                                                                                  | ND                                  |                                               |       |
|       | 2             | S-10 | 18-20          | 6                  | 80              |                                                                                                                                                  | ND                                  |                                               |       |
| 19    | 2             |      |                |                    |                 |                                                                                                                                                  | ND                                  |                                               |       |
|       | 4             |      |                |                    |                 |                                                                                                                                                  | ND                                  |                                               |       |
| 20    | 6             |      |                |                    |                 | same.                                                                                                                                            | ND                                  |                                               |       |
|       | 2             | S-11 | 20-22          | 22                 | 90              |                                                                                                                                                  | ND                                  |                                               |       |
| 21    | 12            |      |                |                    |                 | [UPPER TILL]                                                                                                                                     |                                     |                                               |       |
|       | 10            |      |                |                    |                 |                                                                                                                                                  |                                     |                                               |       |
| 22    | 11            |      |                |                    |                 | Very dense, grey, fine to<br>coarse SAND, some Clayey<br>Silt, trace Gravel, moist.<br>[LOWER TILL]<br>grades some Clayey Silt,<br>trace Gravel. | ND                                  |                                               |       |
|       | 11            | S-12 | 22-23.3        | >100               | 40              |                                                                                                                                                  |                                     |                                               |       |
| 23    | 34            |      |                |                    |                 |                                                                                                                                                  |                                     |                                               |       |
|       | 100/0         | 3'   |                |                    |                 | same. [LOWER TILL]                                                                                                                               | ND                                  |                                               |       |
| 24    |               |      |                |                    |                 |                                                                                                                                                  |                                     |                                               |       |
|       | 25            | S-13 | 24-25          | >100               | 35              |                                                                                                                                                  |                                     |                                               |       |
| 25    | 100/0         | 5'   |                |                    |                 | same.                                                                                                                                            | ND                                  |                                               |       |
| 26    |               |      |                |                    |                 |                                                                                                                                                  |                                     |                                               |       |
|       | 38            | S-14 | 26-26.9        | >100               | 40              |                                                                                                                                                  |                                     |                                               |       |
| 27    | 100/0         | 4'   |                |                    |                 | same.                                                                                                                                            | ND                                  |                                               |       |
| 28    |               |      |                |                    |                 |                                                                                                                                                  |                                     |                                               |       |
|       | 37            | S-15 | 28-29.7        | >100               | 70              |                                                                                                                                                  |                                     |                                               |       |
| 29    | 46            |      |                |                    |                 | [LOWER TILL]                                                                                                                                     |                                     |                                               |       |
|       | 78            |      |                |                    |                 |                                                                                                                                                  |                                     |                                               |       |
|       | 100/0         | 2'   |                |                    |                 |                                                                                                                                                  |                                     |                                               |       |
| 30    |               |      |                |                    |                 | Bottom of Boring at 29.7'.                                                                                                                       |                                     |                                               |       |
| 31    |               |      |                |                    |                 |                                                                                                                                                  |                                     |                                               |       |
| 32    |               |      |                |                    |                 |                                                                                                                                                  |                                     |                                               |       |
| 33    |               |      |                |                    |                 |                                                                                                                                                  |                                     |                                               |       |
| 34    |               |      |                |                    |                 |                                                                                                                                                  |                                     |                                               |       |
| 35    |               |      |                |                    |                 |                                                                                                                                                  |                                     |                                               |       |
| 36    |               |      |                |                    |                 |                                                                                                                                                  |                                     |                                               |       |

LEGEND

S - Split Spoon Soil Sample  
U - Undisturbed Soil Sample  
C - Rock Core Sample

NOTES: (1) Organic Vapor Meter (OVM) reading of headspace HNu PI-101  
photoionization detector. ND=not detected above 1 ppm.

GENERAL 1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.  
NOTES: 2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER  
MAY OCCUR DUE TO OTHER FACTORS THAN THOSE PRESENT AT THE TIME MEASUREMENTS WERE MADE.

GZA

BORING No. SB-10

GZA GEOENVIRONMENTAL OF NEW YORK  
364 NAGEL DRIVE, BUFFALO, NEW YORK

ENGINEERS AND SCIENTISTS

PROJECT  
Stuart-Oliver-Holtz  
Rochester New York

BORING No. SB-11  
SHEET 1 OF 2  
FILE No. 19078.10  
CHKD. BY GJK

CONTRACTOR Nothnagle Drilling  
DRILLER Steve Lorantz  
GZA GEOENVIRONMENTAL REPRESENTATIVE Dave Belaskas

BORING LOCATION N1123662.38, E751156.78 (NYSPEC)  
GROUND SURFACE ELEVATION 527.8 DATUM NVGD  
START DATE 10/10/94 END DATE 10/10/94

TYPE OF DRILL RIG CME - 75

CASING SIZE AND TYPE 2-1/4 inch ID HSA

OVERBURDEN SAMPLING METHOD 2 inch OD x 24 inch long  
split spoon (ASTM 1586)

ROCK DRILLING METHOD

WATER LEVEL DATA

| DATE | TIME | WATER | CASING | REMARKS |
|------|------|-------|--------|---------|
|------|------|-------|--------|---------|

| DEPTH<br>H | SAMPLE        |     |                |                    |                 | (1)<br>Peak<br>OVM<br>Read<br>(PPM) | EQUIPMENT<br>INSTALLATION<br>LOG | NOTES                                    |
|------------|---------------|-----|----------------|--------------------|-----------------|-------------------------------------|----------------------------------|------------------------------------------|
|            | BLOWS<br>/ 6" | NO. | DEPTH<br>(FT.) | N-VALUE<br>/RQD(%) | RECOVERY<br>(%) |                                     |                                  |                                          |
| 1          | 3             | S-1 | 0.5-2.0        | 6                  | 70              | ND                                  |                                  | Cement/Bentonite Grout from GS to 36.0'. |
|            | 3             |     |                |                    |                 |                                     |                                  |                                          |
|            | 5             |     |                |                    |                 |                                     |                                  |                                          |
| 2          | 2             | S-2 | 2-4            | 6                  | 50              | ND                                  |                                  |                                          |
|            | 3             |     |                |                    |                 |                                     |                                  |                                          |
|            | 3             |     |                |                    |                 |                                     |                                  |                                          |
|            | 5             |     |                |                    |                 |                                     |                                  |                                          |
| 4          | 2             | S-3 | 4-6            | 7                  | 75              | ND                                  |                                  |                                          |
|            | 3             |     |                |                    |                 |                                     |                                  |                                          |
|            | 5             |     |                |                    |                 |                                     |                                  |                                          |
| 6          | 3             | S-4 | 6-8            | 10                 | 100             | ND                                  |                                  |                                          |
|            | 3             |     |                |                    |                 |                                     |                                  |                                          |
|            | 7             |     |                |                    |                 |                                     |                                  |                                          |
|            | 9             |     |                |                    |                 |                                     |                                  |                                          |
| 8          | 3             | S-5 | 8-10           | 13                 | 90              | ND                                  |                                  |                                          |
|            | 5             |     |                |                    |                 |                                     |                                  |                                          |
|            | 8             |     |                |                    |                 |                                     |                                  |                                          |
|            | 12            |     |                |                    |                 |                                     |                                  |                                          |
| 10         | 2             | S-6 | 10-12          | 12                 | 100             | ND                                  |                                  |                                          |
|            | 4             |     |                |                    |                 |                                     |                                  |                                          |
|            | 8             |     |                |                    |                 |                                     |                                  |                                          |
|            | 8             |     |                |                    |                 |                                     |                                  |                                          |
| 12         | 2             | S-7 | 12-14          | 6                  | 75              | ND                                  |                                  |                                          |
|            | 3             |     |                |                    |                 |                                     |                                  |                                          |
|            | 3             |     |                |                    |                 |                                     |                                  |                                          |
|            | 3             |     |                |                    |                 |                                     |                                  |                                          |
| 14         | 1             | S-8 | 14-16          | 4                  | 75              | 0.5                                 |                                  |                                          |
|            | 2             |     |                |                    |                 |                                     |                                  |                                          |
|            | 2             |     |                |                    |                 |                                     |                                  |                                          |
|            | 5             |     |                |                    |                 |                                     |                                  |                                          |
| 16         | 4             | S-9 | 16-18          | 36                 | 75              |                                     |                                  |                                          |

LEGEND  
S - Split Spoon Soil Sample  
U - Undisturbed Soil Sample  
C - Rock Core Sample

NOTES: (1) Organic Vapor Meter (OVM) reading of headspace using HNu PI-101 photoionization detector. ND=not detected above 1 ppm.

GENERAL 1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.  
NOTES: 2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER MAY OCCUR DUE TO OTHER FACTORS THAN THOSE PRESENT AT THE TIME MEASUREMENTS WERE MADE.

GZA

BORING No. SB-11



| DEPTH | SAMPLE     |      |             |                  |              | SAMPLE DESCRIPTION                                                               | Peak OVM Read (PPM) | EQUIPMENT    |     | NOTES                                   |
|-------|------------|------|-------------|------------------|--------------|----------------------------------------------------------------------------------|---------------------|--------------|-----|-----------------------------------------|
|       | BLOWS / 6" | NO.  | DEPTH (FT.) | N-VALUE / RQD(%) | RECOVERY (%) |                                                                                  |                     | INSTALLATION | LOG |                                         |
| 17    | 14         |      |             |                  |              | grades little Clayey Silt, trace Gravel, moist to wet.                           | 1                   |              |     | Cement/Bentonite Grout from GS to 36.0' |
|       | 22         |      |             |                  |              |                                                                                  |                     |              |     |                                         |
| 18    | 26         |      |             |                  |              | [UPPER TILL]                                                                     |                     |              |     |                                         |
|       | 5          | S-10 | 18-20       | 50               | 80           | same.                                                                            | 1                   |              |     |                                         |
|       | 24         |      |             |                  |              |                                                                                  |                     |              |     |                                         |
| 19    | 26         |      |             |                  |              |                                                                                  |                     |              |     |                                         |
|       | 28         |      |             |                  |              |                                                                                  |                     |              |     |                                         |
| 20    | 16         | S-11 | 20-22       | 66               | 90           | same, very dense, moist.                                                         | ND                  |              |     |                                         |
|       | 31         |      |             |                  |              |                                                                                  |                     |              |     |                                         |
| 21    | 35         |      |             |                  |              |                                                                                  |                     |              |     |                                         |
|       | 30         |      |             |                  |              |                                                                                  |                     |              |     |                                         |
| 22    | 30         | S-12 | 22-24       | 77               | 100          | Very dense gray SILT and fine to coarse SAND, some fine to coarse Gravel, moist. | ND                  |              |     |                                         |
|       | 35         |      |             |                  |              |                                                                                  |                     |              |     |                                         |
| 23    | 42         |      |             |                  |              |                                                                                  |                     |              |     |                                         |
|       | 48         |      |             |                  |              |                                                                                  |                     |              |     |                                         |
| 24    | 25         | S-13 | 24-26       | 48               | 70           | grades dense, trace Clayey Silt, little Gravel, wet.                             | ND                  |              |     |                                         |
|       | 28         |      |             |                  |              |                                                                                  |                     |              |     |                                         |
| 25    | 20         |      |             |                  |              |                                                                                  |                     |              |     |                                         |
|       | 29         |      |             |                  |              | [UPPER TILL]                                                                     |                     |              |     |                                         |
| 26    | 24         | S-14 | 26-28       | 51               | 100          | grades very dense.                                                               | ND                  |              |     |                                         |
|       | 24         |      |             |                  |              |                                                                                  |                     |              |     |                                         |
| 27    | 27         |      |             |                  |              |                                                                                  |                     |              |     |                                         |
|       | 32         |      |             |                  |              |                                                                                  |                     |              |     |                                         |
| 28    | 45         | S-15 | 28-28.9     | >100             | 100          | same.                                                                            | ND                  |              |     |                                         |
|       | 100/0.4'   |      |             |                  |              |                                                                                  |                     |              |     |                                         |
| 29    |            |      |             |                  |              |                                                                                  |                     |              |     |                                         |
|       |            |      |             |                  |              |                                                                                  |                     |              |     |                                         |
| 30    | 50         | S-16 | 30-32       | >100             | 100          | same.                                                                            | ND                  |              |     |                                         |
|       | 57         |      |             |                  |              |                                                                                  |                     |              |     |                                         |
| 31    | 47         |      |             |                  |              |                                                                                  |                     |              |     |                                         |
|       | 28         |      |             |                  |              |                                                                                  |                     |              |     |                                         |
| 32    |            |      |             |                  |              | [UPPER TILL] 32.0'                                                               |                     |              |     |                                         |
|       | 14         | S-17 | 32-34       | 60               | 100          | Very dense, gray, fine to coarse SAND and Clayey SILT, trace fine Gravel, moist. | ND                  |              |     |                                         |
|       | 24         |      |             |                  |              |                                                                                  |                     |              |     |                                         |
| 33    | 36         |      |             |                  |              |                                                                                  |                     |              |     |                                         |
|       | 32         |      |             |                  |              | [LOWER TILL]                                                                     |                     |              |     |                                         |
| 34    | 13         | S-18 | 34-36       | 55               | 100          | grades, some clayey Silt.                                                        | ND                  |              |     |                                         |
|       | 25         |      |             |                  |              |                                                                                  |                     |              |     |                                         |
| 35    | 30         |      |             |                  |              |                                                                                  |                     |              |     |                                         |
|       | 64         |      |             |                  |              |                                                                                  |                     |              |     |                                         |
| 36    |            |      |             |                  |              | [LOWER TILL]                                                                     |                     |              |     |                                         |
|       |            |      |             |                  |              | Bottom of Boring at 36.0'.                                                       |                     |              |     |                                         |

LEGEND  
S - Split Spoon Soil Sample  
U - Undisturbed Soil Sample  
C - Rock Core Sample

NOTES: (1) Organic Vapor Meter (OVM) reading of headspace using HNu PI-101 photoionization detector. ND=not detected above 1 ppm.

GENERAL 1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.  
NOTES: 2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER MAY OCCUR DUE TO OTHER FACTORS THAN THOSE PRESENT AT THE TIME MEASUREMENTS WERE MADE.

GZA GEOENVIRONMENTAL OF NEW YORK  
364 NAGEL DRIVE, BUFFALO, NEW YORK

ENGINEERS AND SCIENTISTS

PROJECT

Stuart-Oliver-Holtz  
Rochester New York

BORING No. SB-12

SHEET 1 OF 3

FILE No. 19078.10

CHKD. BY GJK

CONTRACTOR Nothnagle Drilling

DRILLER Steve Loranitz

GZA GEOENVIRONMENTAL REPRESENTATIVE Dave Belaskas

BORING LOCATION N1123571.64, E751178.18 (NYSPC)

GROUND SURFACE ELEVATION 528.7 DATUM NAVD

START DATE 10/04/94 END DATE 10/04/94

TYPE OF DRILL RIG CME - 75

CASING SIZE AND TYPE 2-1/4 inch ID HSA

OVERBURDEN SAMPLING METHOD 2 inch OD x 24 inch long  
split spoon (ASTM 1586)

ROCK DRILLING METHOD

WATER LEVEL DATA

| DATE     | TIME | WATER | CASING | REMARKS             |
|----------|------|-------|--------|---------------------|
| 10/04/94 | 1300 | 16'   | 40'    | Stabilized 15 mins. |
|          |      |       |        |                     |
|          |      |       |        |                     |

| DEPTH | SAMPLE        |     |                |        |                 | (1)<br>Peak<br>OVM<br>Read<br>(PPM) | EQUIPMENT    |     | NOTES                                      |
|-------|---------------|-----|----------------|--------|-----------------|-------------------------------------|--------------|-----|--------------------------------------------|
|       | BLOWS<br>/ 6" | NO. | DEPTH<br>(FT.) | RQD(%) | RECOVERY<br>(%) |                                     | INSTALLATION | LOG |                                            |
| 1     | 6             | S-1 | 0.5-2.0        | 18     | 75              | 10                                  |              |     | Cement/Bentonite Grout<br>from GS to 45.3' |
|       | 12            |     |                |        |                 |                                     |              |     |                                            |
| 2     | 13            |     |                |        |                 |                                     |              |     |                                            |
|       | 11            | S-2 | 2-4            | 19     | 75              | ND                                  |              |     |                                            |
| 3     | 7             |     |                |        |                 |                                     |              |     |                                            |
|       | 12            |     |                |        |                 |                                     |              |     |                                            |
| 4     | 20            |     |                |        |                 | 4.0'                                |              |     |                                            |
|       | 2             | S-3 | 4-6            | 8      | 80              |                                     |              |     |                                            |
| 5     | 3             |     |                |        |                 | 12                                  |              |     |                                            |
|       | 5             |     |                |        |                 |                                     |              |     |                                            |
| 6     | 6             |     |                |        |                 |                                     |              |     |                                            |
|       | 9             | S-4 | 6-8            | 25     | 100             | 2                                   |              |     |                                            |
| 7     | 12            |     |                |        |                 |                                     |              |     |                                            |
|       | 13            |     |                |        |                 |                                     |              |     |                                            |
| 8     | 11            |     |                |        |                 |                                     |              |     |                                            |
|       | 4             | S-5 | 8-10           | 20     | 50              | 1                                   |              |     |                                            |
| 9     | 8             |     |                |        |                 |                                     |              |     |                                            |
|       | 12            |     |                |        |                 |                                     |              |     |                                            |
| 10    | 10            |     |                |        |                 |                                     |              |     |                                            |
|       | 4             | S-6 | 10-12          | 22     | 60              |                                     |              |     |                                            |
| 11    | 7             |     |                |        |                 | 1                                   |              |     |                                            |
|       | 15            |     |                |        |                 |                                     |              |     |                                            |
| 12    | 14            |     |                |        |                 |                                     |              |     |                                            |
|       | 5             | S-7 | 12-14          | 43     | 80              |                                     |              |     |                                            |
| 13    | 13            |     |                |        |                 | 13.0'                               |              |     |                                            |
|       | 30            |     |                |        |                 |                                     |              |     |                                            |
| 14    | 35            |     |                |        |                 |                                     |              |     |                                            |
|       | 22            | S-8 | 14-16          | 69     | 80              |                                     |              |     |                                            |
| 15    | 41            |     |                |        |                 | 1                                   |              |     |                                            |
|       | 28            |     |                |        |                 |                                     |              |     |                                            |
| 16    | 33            |     |                |        |                 |                                     |              |     |                                            |
|       | 15            | S-9 | 16-18          | 67     | 60              |                                     |              |     |                                            |

LEGEND

S - Split Spoon Soil Sample  
U - Undisturbed Soil Sample  
C - Rock Core Sample

NOTES: (1) Organic Vapor Meter (OVM) reading of headspace using HNu PI-101 photoionization detector. ND=not detected above 1 ppm.

GENERAL 1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.  
NOTES: 2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER  
MAY OCCUR DUE TO OTHER FACTORS THAN THOSE PRESENT AT THE TIME MEASUREMENTS WERE MADE.

GZA

BORING No. SB-12

GZA GEOENVIRONMENTAL OF NEW YORK  
364 NAGEL DRIVE, BUFFALO, NEW YORK

ENGINEERS AND SCIENTISTS

PROJECT  
Stuart-Oliver-Holtz  
Rochester, New York

BORING No. SB-12  
SHEET 2 OF 3  
FILE No. 19078.10  
CHKD. BY GJK

| DEPTH | SAMPLE        |      |                |                    |                 | SAMPLE DESCRIPTION                                                                        | (1)<br>Peak<br>OVM<br>Read<br>(PPM) | EQUIPMENT<br>INSTALLATION<br>LOG | NOTES                                      |
|-------|---------------|------|----------------|--------------------|-----------------|-------------------------------------------------------------------------------------------|-------------------------------------|----------------------------------|--------------------------------------------|
|       | BLOWS<br>/ 6" | NO.  | DEPTH<br>(FT.) | N-VALUE<br>/RQD(%) | RECOVERY<br>(%) |                                                                                           |                                     |                                  |                                            |
| 17    | 37            |      |                |                    |                 | [UPPER TILL]                                                                              | 4.0                                 |                                  | Cement/Bentonite Grout<br>from GS to 45.3' |
|       | 30            |      |                |                    |                 |                                                                                           |                                     |                                  |                                            |
|       | 28            |      |                |                    |                 |                                                                                           |                                     |                                  |                                            |
| 18    | 9             | S-10 | 18-20          | 35                 | 60              | Dense, brown, fine to medium SAND, trace clayey Silt, trace Gravel, wet.                  | ND                                  |                                  |                                            |
|       | 18            |      |                |                    |                 |                                                                                           |                                     |                                  |                                            |
| 19    | 17            |      |                |                    |                 | [UPPER TILL]                                                                              |                                     |                                  |                                            |
|       | 18            |      |                |                    |                 |                                                                                           |                                     |                                  |                                            |
| 20    | 10            | S-11 | 20-22          | 66                 | 60              | grades, very dense, little clayey silt.                                                   | ND                                  |                                  |                                            |
|       | 28            |      |                |                    |                 |                                                                                           |                                     |                                  |                                            |
| 21    | 38            |      |                |                    |                 | (SAND STRATUM, 18.0 to 22.0)                                                              |                                     |                                  |                                            |
|       | 50            |      |                |                    |                 |                                                                                           |                                     |                                  |                                            |
| 22    | 33            | S-12 | 22-23.5        | >100               | 80              | Very dense, brown, fine to coarse SAND, some clayey Silt, trace Gravel, moist.            | ND                                  |                                  |                                            |
|       | 70            |      |                |                    |                 |                                                                                           |                                     |                                  |                                            |
| 23    | 100/0         | 5'   |                |                    |                 | [UPPER TILL]                                                                              |                                     |                                  |                                            |
|       |               |      |                |                    |                 |                                                                                           |                                     |                                  |                                            |
| 24    | 25            | S-13 | 24-25.4        | >100               | 80              | grades, some Silt & clay.                                                                 | ND                                  |                                  |                                            |
|       | 40            |      |                |                    |                 |                                                                                           |                                     |                                  |                                            |
| 25    | 100/0         | 4'   |                |                    |                 |                                                                                           |                                     |                                  |                                            |
|       |               |      |                |                    |                 |                                                                                           |                                     |                                  |                                            |
| 26    | 25            | S-14 | 26-27.5        | >100               | 90              | Very dense grayish brown fine to coarse SAND, some Silt, some fine to coarse Gravel, wet. | ND                                  |                                  |                                            |
|       | 45            |      |                |                    |                 |                                                                                           |                                     |                                  |                                            |
| 27    | 100/0         | 5'   |                |                    |                 |                                                                                           |                                     |                                  |                                            |
|       |               |      |                |                    |                 |                                                                                           |                                     |                                  |                                            |
| 28    | 39            | S-15 | 28-29          | >100               | 100             | grades moist.                                                                             | ND                                  |                                  |                                            |
|       | 100/0         | 5'   |                |                    |                 |                                                                                           |                                     |                                  |                                            |
| 29    |               |      |                |                    |                 |                                                                                           |                                     |                                  |                                            |
|       |               |      |                |                    |                 | [UPPER TILL]                                                                              |                                     |                                  |                                            |
| 30    | 18            | S-16 | 30-31.5        | >100               | 100             | grades some Silt & Clay.                                                                  | ND                                  |                                  |                                            |
|       | 65            |      |                |                    |                 |                                                                                           |                                     |                                  |                                            |
| 31    | 100/0         | 5'   |                |                    |                 |                                                                                           |                                     |                                  |                                            |
|       |               |      |                |                    |                 |                                                                                           |                                     |                                  |                                            |
| 32    | 18            | S-17 | 32-34          | 74                 | 100             | Very dense, brown, fine to medium SAND, trace clayey Silt, moist to wet.                  | ND                                  |                                  |                                            |
|       | 34            |      |                |                    |                 |                                                                                           |                                     |                                  |                                            |
| 33    | 40            |      |                |                    |                 |                                                                                           |                                     |                                  |                                            |
|       | 79            |      |                |                    |                 |                                                                                           |                                     |                                  |                                            |
| 34    | 11            | S-18 | 34-36          | 58                 | 100             | grades wet.                                                                               |                                     |                                  |                                            |
|       | 23            |      |                |                    |                 |                                                                                           |                                     |                                  |                                            |
| 35    | 35            |      |                |                    |                 | (SAND STRATUM, 32.0 to 38.0)                                                              | 5                                   |                                  |                                            |
|       | 55            |      |                |                    |                 |                                                                                           |                                     |                                  |                                            |
| 36    | 16            | S-19 | 36-38          | 55                 | 100             | grades, trace Gravel.                                                                     |                                     |                                  |                                            |

LEGEND

S - Split Spoon Soil Sample  
U - Undisturbed Soil Sample  
C - Rock Core Sample

NOTES: (1) Organic Vapor Meter (OVM) reading of headspace using HNu P1-101 photoionization detector. ND=not detected above 1 ppm.

GENERAL 1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.  
NOTES: 2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER MAY OCCUR DUE TO OTHER FACTORS THAN THOSE PRESENT AT THE TIME MEASUREMENTS WERE MADE.

GZA

BORING No. SB-12

GZA GEOENVIRONMENTAL OF NEW YORK  
364 NAGEL DRIVE, BUFFALO, NEW YORK  
ENGINEERS AND SCIENTISTS

PROJECT  
Stuart-Oliver-Holtz  
Rochester, New York

BORING No. SB-12  
SHEET 3 OF 3  
FILE No. 19078.10  
CHKD. BY GJK

| DEPTH | SAMPLE        |      |                |                    |                 | SAMPLE DESCRIPTION                                                           | (1)<br>Peak<br>OVM<br>Read<br>(PPM) | EQUIPMENT<br>INSTALLATION<br>LOG |  | NOTES |
|-------|---------------|------|----------------|--------------------|-----------------|------------------------------------------------------------------------------|-------------------------------------|----------------------------------|--|-------|
|       | BLOWS<br>/ 6" | NO.  | DEPTH<br>(FT.) | N-VALUE<br>/RQD(%) | RECOVERY<br>(%) |                                                                              |                                     |                                  |  |       |
| 37    | 26            |      |                |                    |                 | (SAND STRATUM, 32.0 TO 38.0)                                                 | ND                                  |                                  |  |       |
|       | 29            |      |                |                    |                 |                                                                              |                                     |                                  |  |       |
|       | 41            |      |                |                    |                 | [UPPER TILL] 38.0'                                                           |                                     |                                  |  |       |
| 38    | 21            | S-20 | 38-40          | 85                 | 70              | Very dense, brown, fine to coarse SAND, some Silt & Clay, trace Gravel, wet. | ND                                  |                                  |  |       |
|       | 26            |      |                |                    |                 |                                                                              |                                     |                                  |  |       |
|       | 59            |      |                |                    |                 |                                                                              |                                     |                                  |  |       |
| 39    | 90            |      |                |                    |                 | [LOWER TILL]                                                                 |                                     |                                  |  |       |
| 40    | 18            | S-21 | 40-42          | >100               | 70              | Very dense gray clayey SILT and fine to coarse SAND, trace fine Gravel, wet. | ND                                  |                                  |  |       |
|       | 60            |      |                |                    |                 |                                                                              |                                     |                                  |  |       |
|       | 74            |      |                |                    |                 |                                                                              |                                     |                                  |  |       |
| 41    | 26            |      |                |                    |                 | [LOWER TILL] 42.0'                                                           |                                     |                                  |  |       |
| 42    | 14            | S-22 | 42-43          | >100               | 75              | Gray-green, weathered rock fragments, moist.                                 | ND                                  |                                  |  |       |
|       | 100/0.5'      |      |                |                    |                 |                                                                              |                                     |                                  |  |       |
| 43    |               |      |                |                    |                 |                                                                              |                                     |                                  |  |       |
|       |               |      |                |                    |                 | [SEVERELY WEATHERED BEDROCK]                                                 |                                     |                                  |  |       |
| 44    | 100/0.2'      | S-23 | 44-44.2        | >100               | 50              | Auger refusal at 45.3'.                                                      | ND                                  |                                  |  |       |
|       |               |      |                |                    |                 |                                                                              |                                     |                                  |  |       |
|       |               |      |                |                    |                 |                                                                              |                                     |                                  |  |       |
| 45    | 100/0.3'      | S-24 | 45-45.3        | >100               | 100             | Bottom of boring at 45.3'.                                                   |                                     |                                  |  |       |
| 46    |               |      |                |                    |                 |                                                                              |                                     |                                  |  |       |
| 47    |               |      |                |                    |                 |                                                                              |                                     |                                  |  |       |
| 48    |               |      |                |                    |                 |                                                                              |                                     |                                  |  |       |
| 49    |               |      |                |                    |                 |                                                                              |                                     |                                  |  |       |
| 50    |               |      |                |                    |                 |                                                                              |                                     |                                  |  |       |

LEGEND

S - Split Spoon Soil Sample  
U - Undisturbed Soil Sample  
C - Rock Core Sample

NOTES: (1) Organic Vapor Meter (OVM) reading of Headspace HNu PI-101 photoionization detector. ND=not detected above 1 ppm.

GENERAL 1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.  
NOTES: 2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER MAY OCCUR DUE TO OTHER FACTORS THAN THOSE PRESENT AT THE TIME MEASUREMENTS WERE MADE.

GZA

BORING No. SB-12

GZA GEOENVIRONMENTAL OF NEW YORK  
364 NAGEL DRIVE, BUFFALO, NEW YORK

ENGINEERS AND SCIENTISTS

PROJECT  
Stuart-Oliver-Holtz  
Rochester New York

BORING No. SB-13  
SHEET 1 OF 2  
FILE No. 19078.10  
CHKD. BY GJK

CONTRACTOR Mothnagle Drilling  
DRILLER Steve Iorantz  
GZA GEOENVIRONMENTAL REPRESENTATIVE Dave Belaskas

BORING LOCATION N1123711.56, E751093.69 (NYSPEC)  
GROUND SURFACE ELEVATION 529.4 DATUM NGVD  
START DATE 10/03/94 END DATE 10/03/94

TYPE OF DRILL RIG CHE - 75

CASING SIZE AND TYPE 2-1/4 inch ID HSA

OVERBURDEN SAMPLING METHOD 2 inch OD x 24 inch long  
split spoon (ASTM 1586)

ROCK DRILLING METHOD

WATER LEVEL DATA

| DATE     | TIME | WATER | CASING | REMARKS             |
|----------|------|-------|--------|---------------------|
| 10/03/94 | 1500 | Dry   | 35.0   | Stabilized 15 mins. |
|          |      |       |        |                     |
|          |      |       |        |                     |

| DEPTH | SAMPLE     |     |             |         |              | SAMPLE DESCRIPTION                                                          | (1) Peak OVM Read (PPM) | EQUIPMENT INSTALLATION LOG               | NOTES |
|-------|------------|-----|-------------|---------|--------------|-----------------------------------------------------------------------------|-------------------------|------------------------------------------|-------|
|       | BLOWS / 6" | NO. | DEPTH (FT.) | RQD (%) | RECOVERY (%) |                                                                             |                         |                                          |       |
| 1     | 3          | S-1 | 0-2         | 10      | 50           | 0-0.5 topsoil. [FILL]                                                       | ND                      | Cement/Bentonite Grout from GS to 35.7'. |       |
|       | 4          |     |             |         |              | 0.5-2.0 - Medium dense, brown fine to medium SAND, some clayey Silt, moist. |                         |                                          |       |
|       | 6          |     |             |         |              |                                                                             |                         |                                          |       |
| 2     | 6          |     |             |         |              | [FILL]                                                                      |                         |                                          |       |
|       | 3          | S-2 | 2-4         | 27      | 75           | blackcharred piece of wood at 2 ft.                                         | ND                      |                                          |       |
|       | 13         |     |             |         |              |                                                                             |                         |                                          |       |
| 3     | 14         |     |             |         |              |                                                                             |                         |                                          |       |
|       | 13         |     |             |         |              |                                                                             |                         |                                          |       |
| 4     | 6          | S-3 | 4-6         | 13      | 35           | grades little clayey Silt.                                                  | ND                      |                                          |       |
|       | 6          |     |             |         |              |                                                                             |                         |                                          |       |
|       | 7          |     |             |         |              |                                                                             |                         |                                          |       |
| 5     | 8          |     |             |         |              |                                                                             |                         |                                          |       |
|       |            |     |             |         |              | [FILL] 6.0'                                                                 |                         |                                          |       |
|       | 2          | S-4 | 6-8         | 8       | 30           | Loose, brown Silty CLAY, trace fine to medium Sand, moist.                  | ND                      |                                          |       |
| 7     | 3          |     |             |         |              |                                                                             |                         |                                          |       |
|       | 5          |     |             |         |              | [LACUSTRINE]                                                                |                         |                                          |       |
|       | 6          |     |             |         |              |                                                                             |                         |                                          |       |
| 8     | 3          | S-5 | 8-10        | 9       | 80           | grades stiff, CLAY & SILT, trace fine Sand.                                 | 1.0                     |                                          |       |
|       | 4          |     |             |         |              |                                                                             |                         |                                          |       |
|       | 5          |     |             |         |              |                                                                             |                         |                                          |       |
| 10    | 9          |     |             |         |              |                                                                             |                         |                                          |       |
|       | 3          | S-6 | 10-12       | 12      | 80           | same.                                                                       | ND                      |                                          |       |
|       | 5          |     |             |         |              |                                                                             |                         |                                          |       |
| 11    | 7          |     |             |         |              |                                                                             |                         |                                          |       |
|       | 9          |     |             |         |              |                                                                             |                         |                                          |       |
| 12    | 3          | S-7 | 12-14       | 13      | 85           | same.                                                                       | ND                      |                                          |       |
|       | 6          |     |             |         |              |                                                                             |                         |                                          |       |
|       | 7          |     |             |         |              |                                                                             |                         |                                          |       |
| 14    | 8          |     |             |         |              |                                                                             |                         |                                          |       |
|       | 2          | S-8 | 14-16       | 5       | 95           | grades medium wet at 15.0'.                                                 | ND                      |                                          |       |
|       | 2          |     |             |         |              |                                                                             |                         |                                          |       |
| 15    | 3          |     |             |         |              |                                                                             |                         |                                          |       |
|       | 4          |     |             |         |              |                                                                             |                         |                                          |       |
|       |            |     |             |         |              |                                                                             |                         |                                          |       |
| 16    | 1          | S-9 | 16-18       | 4       | 90           | [LACUSTRINE]                                                                |                         |                                          |       |

LEGEND  
S - Split Spoon Soil Sample  
U - Undisturbed Soil Sample  
C - Rock Core Sample

NOTES: (1) Organic Vapor Meter (OVM) reading of headspace using HNu P1-101 photoionization detector. ND=not detected above 1 ppm.

GENERAL 1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.  
NOTES: 2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER MAY OCCUR DUE TO OTHER FACTORS THAN THOSE PRESENT AT THE TIME MEASUREMENTS WERE MADE.

GZA

BORING No. SB-13

GZA GEOENVIRONMENTAL OF NEW YORK  
364 HAGEL DRIVE, BUFFALO, NEW YORK

ENGINEERS AND SCIENTISTS

PROJECT  
Stuart-Oliver-Holtz  
Rochester, New York

BORING No. SB-13  
SHEET 2 OF 2  
FILE No. 19078.10  
CHKD. BY GJK

| DEPTH | SAMPLE        |      |                |                    |                 | SAMPLE DESCRIPTION                                                                    | (1)<br>Peak<br>OVM<br>Read<br>(PPM) | EQUIPMENT<br>INSTALLATION<br>LOG           | NOTES |
|-------|---------------|------|----------------|--------------------|-----------------|---------------------------------------------------------------------------------------|-------------------------------------|--------------------------------------------|-------|
|       | BLOWS<br>/ 6" | NO.  | DEPTH<br>(FT.) | N-VALUE<br>/RQD(%) | RECOVERY<br>(%) |                                                                                       |                                     |                                            |       |
| 17    | 1             |      |                |                    |                 | [LACUSTRINE] 17.5'                                                                    | ND                                  | ← Cement/Bentonite Grout from GS to 35.7'. |       |
|       | 3             |      |                |                    |                 |                                                                                       |                                     |                                            |       |
|       | 3             |      |                |                    |                 |                                                                                       |                                     |                                            |       |
| 18    | 1             | S-10 | 18-20          | 19                 | 60              | Medium, brown, fine to coarse SAND, little silty Clay, moist to wet.                  | ND                                  |                                            |       |
|       | 6             |      |                |                    |                 | [UPPER TILL]                                                                          |                                     |                                            |       |
|       | 13            |      |                |                    |                 | (SAND STRATUM 18.0-22.0)                                                              |                                     |                                            |       |
| 20    | 3             | S-11 | 20-22          | 25                 | 75              | grades trace fine Gravel.                                                             | 1                                   |                                            |       |
|       | 8             |      |                |                    |                 |                                                                                       |                                     |                                            |       |
|       | 17            |      |                |                    |                 |                                                                                       |                                     |                                            |       |
| 22    | 22            |      |                |                    |                 | [UPPER TILL] 22.0'                                                                    |                                     |                                            |       |
|       | 28            | S-12 | 22-24          | 54                 | 85              | Very dense, brown, fine to coarse SAND, some Silt & Clay, trace Gravel, moist to wet. | ND                                  |                                            |       |
|       | 25            |      |                |                    |                 |                                                                                       |                                     |                                            |       |
| 23    | 29            |      |                |                    |                 |                                                                                       |                                     |                                            |       |
|       | 80            |      |                |                    |                 | [LOWER TILL]                                                                          |                                     |                                            |       |
| 24    | 58            | S-13 | 24-25          | >100               | 100             | grades moist.                                                                         | ND                                  |                                            |       |
| 25    | 100/0         | 5'   |                |                    |                 |                                                                                       |                                     |                                            |       |
|       |               |      |                |                    |                 |                                                                                       |                                     |                                            |       |
|       |               |      |                |                    |                 |                                                                                       |                                     |                                            |       |
| 26    | 37            | S-14 | 26-27          | >100               | 100             | same.                                                                                 | ND                                  |                                            |       |
|       | 100/0         | 5'   |                |                    |                 |                                                                                       |                                     |                                            |       |
| 27    |               |      |                |                    |                 |                                                                                       |                                     |                                            |       |
| 28    | 30            | S-15 | 28-30          | 74                 | 100             | same.                                                                                 | ND                                  |                                            |       |
|       | 29            |      |                |                    |                 |                                                                                       |                                     |                                            |       |
|       | 45            |      |                |                    |                 | [LOWER TILL]                                                                          |                                     |                                            |       |
| 30    | 17            | S-16 | 30-32          | 100                | 75              | same.                                                                                 | ND                                  |                                            |       |
|       | 40            |      |                |                    |                 |                                                                                       |                                     |                                            |       |
|       | 60            |      |                |                    |                 |                                                                                       |                                     |                                            |       |
| 32    | 25            | S-17 | 32-34          | 99                 | 80              | same.                                                                                 | ND                                  |                                            |       |
|       | 45            |      |                |                    |                 |                                                                                       |                                     |                                            |       |
|       | 54            |      |                |                    |                 |                                                                                       |                                     |                                            |       |
| 34    | 24            | S-18 | 34-35.1        | >100               | 80              | same.                                                                                 |                                     |                                            |       |
|       | 32            |      |                |                    |                 |                                                                                       |                                     |                                            |       |
| 35    | 32            | S-19 | 35.1-35.7      | >100               | 100             | rock fragment in split spoon S-19. [LOWER TILL]                                       | ND                                  |                                            |       |
| 36    | 100/0         | 2'   |                |                    |                 | Auger Refusal at 35.7'. Bottom of boring 35.7'.                                       |                                     |                                            |       |

LEGEND

S - Split Spoon Soil Sample  
U - Undisturbed Soil Sample  
C - Rock Core Sample

NOTES: (1) Organic Vapor Meter (OVM) reading of headspace using HNu PI-101 photoionization detector. ND=not detected above 1 ppm.

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GZA

BORING No. SB-13

GZA GEOENVIRONMENTAL OF NEW YORK  
364 NAGEL DRIVE, BUFFALO, NEW YORK

ENGINEERS AND SCIENTISTS

PROJECT

Stuart-Oliver-Holtz  
Rochester New York

BORING No. SB-14

SHEET 1 OF 2

FILE No. 19078.10

CHKD. BY GJK

CONTRACTOR Nothnagle Drilling

DRILLER Steve Lorantz

GZA GEOENVIRONMENTAL REPRESENTATIVE Dave Belaskas

BORING LOCATION N1123881.91, E751506.27 (NYSPEC)

GROUND SURFACE ELEVATION 530.4 DATUM NAVD83

START DATE 10/11/94 END DATE 10/11/94

TYPE OF DRILL RIG CME - 75

CASING SIZE AND TYPE 2-1/4 inch ID HSA

OVERBURDEN SAMPLING METHOD 2 inch OD x 24 inch long  
split spoon (ASTM 1586)

ROCK DRILLING METHOD

WATER LEVEL DATA

| DATE     | TIME | WATER | CASING | REMARKS             |
|----------|------|-------|--------|---------------------|
| 10/11/94 | 0945 | DRY   | 28'    | Stabilized 15 mins. |

| DEPTH | SAMPLE        |     |                |        |                 | (1)<br>Peak<br>OVM<br>Read<br>(PPM) | EQUIPMENT<br>INSTALLATION<br>LOG | NOTES                                      |
|-------|---------------|-----|----------------|--------|-----------------|-------------------------------------|----------------------------------|--------------------------------------------|
|       | BLOWS<br>/ 6" | NO. | DEPTH<br>(FT.) | RQD(%) | RECOVERY<br>(%) |                                     |                                  |                                            |
| 1     | 3             | S-1 | 0.5-2.0        | 7      | 75              | ND                                  |                                  | Cement/Bentonite Grout<br>from GS to 28.4' |
|       | 4             |     |                |        |                 |                                     |                                  |                                            |
|       | 6             |     |                |        |                 |                                     |                                  |                                            |
| 2     | 5             | S-2 | 2-4            | 12     | 50              | ND                                  |                                  |                                            |
|       | 6             |     |                |        |                 |                                     |                                  |                                            |
| 3     | 6             |     |                |        |                 |                                     |                                  |                                            |
|       | 6             |     |                |        |                 |                                     |                                  |                                            |
| 4     | 3             | S-3 | 4-6            | 6      | 30              | ND                                  |                                  |                                            |
|       | 3             |     |                |        |                 |                                     |                                  |                                            |
| 5     | 3             |     |                |        |                 |                                     |                                  |                                            |
|       | 3             |     |                |        |                 |                                     |                                  |                                            |
| 6     | 1             | S-4 | 6-8            | 2      | 35              | ND                                  |                                  |                                            |
|       | 1             |     |                |        |                 |                                     |                                  |                                            |
| 7     | 1             |     |                |        |                 |                                     |                                  |                                            |
|       | 1             |     |                |        |                 |                                     |                                  |                                            |
| 8     | 2             | S-5 | 8-10           | 32     | 55              | ND                                  |                                  |                                            |
|       | 16            |     |                |        |                 |                                     |                                  |                                            |
| 9     | 16            |     |                |        |                 |                                     |                                  |                                            |
|       | 16            |     |                |        |                 |                                     |                                  |                                            |
| 10    | 12            | S-6 | 10-12          | 46     | 100             | 4                                   |                                  |                                            |
|       | 17            |     |                |        |                 |                                     |                                  |                                            |
| 11    | 29            |     |                |        |                 |                                     |                                  |                                            |
|       | 25            |     |                |        |                 |                                     |                                  |                                            |
| 12    | 10            | S-7 | 12-14          | 28     | 100             | 10                                  |                                  |                                            |
|       | 15            |     |                |        |                 |                                     |                                  |                                            |
| 13    | 13            |     |                |        |                 |                                     |                                  |                                            |
|       | 12            |     |                |        |                 |                                     |                                  |                                            |
| 14    | 8             | S-8 | 14-16          | 50     | 85              | 20                                  |                                  |                                            |
|       | 15            |     |                |        |                 |                                     |                                  |                                            |
| 15    | 35            |     |                |        |                 |                                     |                                  |                                            |
|       | 35            |     |                |        |                 |                                     |                                  |                                            |
| 16    | 12            | S-9 | 16-18          | 66     | 80              |                                     |                                  |                                            |

LEGEND  
S - Split Spoon Soil Sample  
U - Undisturbed Soil Sample  
C - Rock Core Sample

NOTES: (1) Organic Vapor Meter (OVM) reading of headspace using HNu P1-101 photoionization detector. ND-not detected above 1 ppm.

GENERAL 1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.  
NOTES: 2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER MAY OCCUR DUE TO OTHER FACTORS THAN THOSE PRESENT AT THE TIME MEASUREMENTS WERE MADE.

GZA

BORING No. SB-14

GZA GEOENVIRONMENTAL OF NEW YORK  
364 NAGEL DRIVE, BUFFALO, NEW YORK

ENGINEERS AND SCIENTISTS

PROJECT  
Stuart-Oliver-Holtz  
Rochester, New York

BORING No. SB-14  
SHEET 2 OF 2  
FILE No. 19078.10  
CHKD. BY GJK

| DEPTH | SAMPLE        |      |                |                    |                 | SAMPLE DESCRIPTION                                                                                | (1)<br>Peak<br>OVM<br>Read<br>(PPM) | EQUIPMENT<br>INSTALLATION<br>LOG | NOTES                                      |
|-------|---------------|------|----------------|--------------------|-----------------|---------------------------------------------------------------------------------------------------|-------------------------------------|----------------------------------|--------------------------------------------|
|       | BLOWS<br>/ 6" | NO.  | DEPTH<br>(FT.) | N-VALUE<br>/RQD(%) | RECOVERY<br>(%) |                                                                                                   |                                     |                                  |                                            |
| 17    | 37            |      |                |                    |                 |                                                                                                   | 16                                  |                                  | Cement/Bentonite Grout<br>from GS to 28.4' |
|       | 29            |      |                |                    |                 |                                                                                                   |                                     |                                  |                                            |
|       | 31            |      |                |                    |                 |                                                                                                   |                                     |                                  |                                            |
| 18    | 7             | S-10 | 18-20          | 23                 | 80              | grades medium dense.                                                                              | 20                                  |                                  |                                            |
|       | 11            |      |                |                    |                 | [UPPER TILL]                                                                                      |                                     |                                  |                                            |
| 19    | 12            |      |                |                    |                 |                                                                                                   |                                     |                                  |                                            |
|       | 8             |      |                |                    |                 | Clay & Silt seams at 19.7-<br>20.0 ft.                                                            |                                     |                                  |                                            |
| 20    | 9             | S-11 | 20-22          | 44                 | 90              |                                                                                                   | 3                                   |                                  |                                            |
|       | 10            |      |                |                    |                 |                                                                                                   |                                     |                                  |                                            |
| 21    | 34            |      |                |                    |                 |                                                                                                   |                                     |                                  |                                            |
|       | 38            |      |                |                    |                 |                                                                                                   |                                     |                                  |                                            |
| 22    | 20            | S-12 | 22-23.5        | >100               | 90              | [UPPER TILL] 22.5'                                                                                | 1                                   |                                  |                                            |
|       | 36            |      |                |                    |                 |                                                                                                   |                                     |                                  |                                            |
| 23    | 100/0         | 6'   |                |                    |                 | Very Dense, brown, fine to<br>coarse SAND, little Clayey<br>Silt, little Gravel, moist<br>to wet. |                                     |                                  |                                            |
|       |               |      |                |                    |                 |                                                                                                   |                                     |                                  |                                            |
| 24    | 49            | S-13 | 24-25.2        | >100               | 90              | [LOWER TILL]                                                                                      | ND                                  |                                  |                                            |
|       | 50            |      |                |                    |                 |                                                                                                   |                                     |                                  |                                            |
| 25    | 100/0         | 2'   |                |                    |                 |                                                                                                   |                                     |                                  |                                            |
|       |               |      |                |                    |                 |                                                                                                   |                                     |                                  |                                            |
| 26    | 47            | S-14 | 26-27.4        | >100               | 90              | grades, wet.                                                                                      | ND                                  |                                  |                                            |
|       | 62            |      |                |                    |                 |                                                                                                   |                                     |                                  |                                            |
| 27    | 100/0         | 4'   |                |                    |                 |                                                                                                   |                                     |                                  |                                            |
|       |               |      |                |                    |                 |                                                                                                   |                                     |                                  |                                            |
| 28    | 100/0.5'      | S-15 | 28-28.5        | >100               | 100             | [LOWER TILL]                                                                                      | ND                                  |                                  |                                            |
|       |               |      |                |                    |                 |                                                                                                   |                                     |                                  |                                            |
| 29    |               |      |                |                    |                 | Bottom of boring at 28.4'.                                                                        |                                     |                                  |                                            |
|       |               |      |                |                    |                 |                                                                                                   |                                     |                                  |                                            |
| 30    |               |      |                |                    |                 |                                                                                                   |                                     |                                  |                                            |
|       |               |      |                |                    |                 |                                                                                                   |                                     |                                  |                                            |
| 31    |               |      |                |                    |                 |                                                                                                   |                                     |                                  |                                            |
|       |               |      |                |                    |                 |                                                                                                   |                                     |                                  |                                            |
| 32    |               |      |                |                    |                 |                                                                                                   |                                     |                                  |                                            |
|       |               |      |                |                    |                 |                                                                                                   |                                     |                                  |                                            |
| 33    |               |      |                |                    |                 |                                                                                                   |                                     |                                  |                                            |
|       |               |      |                |                    |                 |                                                                                                   |                                     |                                  |                                            |
| 34    |               |      |                |                    |                 |                                                                                                   |                                     |                                  |                                            |
|       |               |      |                |                    |                 |                                                                                                   |                                     |                                  |                                            |
| 35    |               |      |                |                    |                 |                                                                                                   |                                     |                                  |                                            |
|       |               |      |                |                    |                 |                                                                                                   |                                     |                                  |                                            |
| 36    |               |      |                |                    |                 |                                                                                                   |                                     |                                  |                                            |
|       |               |      |                |                    |                 |                                                                                                   |                                     |                                  |                                            |

LEGEND

S - Split Spoon Soil Sample  
U - Undisturbed Soil Sample  
C - Rock Core Sample

NOTES: (1) Organic Vapor Meter (OVM) reading of headspace suing HNU PI-101  
photoionization detector. ND=not detected above 1 ppm.

GENERAL 1) STRATIFICATION LINES REPRESE T APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.  
NOTES: 2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER  
MAY OCCUR DUE TO OTHER FACTORS THAN THOSE PRESENT AT THE TIME MEASUREMENTS WERE MADE.

GZA

BORING No. SB-14



|                                                                                                                                  |  |  |  |  |                                                                                                                                                                           |  |  |                                                                                                          |  |  |
|----------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|----------------------------------------------------------------------------------------------------------|--|--|
| GZA GEOENVIRONMENTAL OF NEW YORK<br>364 NAGEL DRIVE, BUFFALO, NEW YORK<br>ENGINEERS AND SCIENTISTS                               |  |  |  |  | PROJECT<br><u>Stuart-Oliver-Holtz</u><br><u>Rochester New York</u>                                                                                                        |  |  | BORING No. <u>SB-15</u><br>SHEET <u>1</u> OF <u>3</u><br>FILE No. <u>19078.10</u><br>CHKD. BY <u>GJK</u> |  |  |
| CONTRACTOR <u>Nothnagle Drilling</u><br>DRILLER <u>Steve Lorantz</u><br>GZA GEOENVIRONMENTAL REPRESENTATIVE <u>Dave Belaskas</u> |  |  |  |  | BORING LOCATION <u>N1123614.10, E751341.71 (NYSPEC)</u><br>GROUND SURFACE ELEVATION <u>528.2</u> DATUM <u>NVGD</u><br>START DATE <u>10/12/94</u> END DATE <u>10/13/94</u> |  |  |                                                                                                          |  |  |

|                                                                                                                                                                                                                 |  |  |  |  |                  |      |       |        |                      |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|------------------|------|-------|--------|----------------------|
| TYPE OF DRILL RIG <u>CME -75</u><br>CASING SIZE AND TYPE <u>2-1/4 inch ID HSA</u><br>OVERBURDEN SAMPLING METHOD <u>2 inch OD x 24 inch long</u><br><u>spilt spoon (ASTM 1586)</u><br>ROCK DRILLING METHOD _____ |  |  |  |  | WATER LEVEL DATA |      |       |        |                      |
|                                                                                                                                                                                                                 |  |  |  |  | DATE             | TIME | WATER | CASING | REMARKS              |
|                                                                                                                                                                                                                 |  |  |  |  | 10/13/94         | 0830 | 5.5   | 16'    | Stabilized = 16 hrs  |
|                                                                                                                                                                                                                 |  |  |  |  | 10/13/94         | 1100 | Dry   | 40'    | Stabilized = 10 mins |
|                                                                                                                                                                                                                 |  |  |  |  |                  |      |       |        |                      |

| DEPTH<br>T H | SAMPLE        |     |                |                    |                 | SAMPLE DESCRIPTION                                                                 | (1)<br>Peak<br>OVM<br>Read<br>(PPH) | EQUIPMENT<br>INSTALLATION<br>LOG | NOTES |
|--------------|---------------|-----|----------------|--------------------|-----------------|------------------------------------------------------------------------------------|-------------------------------------|----------------------------------|-------|
|              | BLOWS<br>/ 6" | NO. | DEPTH<br>(FT.) | N-VALUE<br>/RQD(%) | RECOVERY<br>(%) |                                                                                    |                                     |                                  |       |
|              |               |     |                |                    |                 | 0-0.5 pavement.                                                                    | ND                                  |                                  |       |
| 1            | 6             | S-1 | 0.5-2.0        | 18                 | 30              | Medium dense, brown, fine to coarse SAND, little clayey Silt, trace Gravel, moist. |                                     |                                  |       |
|              | 12            |     |                |                    |                 |                                                                                    |                                     |                                  |       |
| 2            | 7             |     |                |                    |                 |                                                                                    |                                     |                                  |       |
|              | 7             | S-2 | 2-4            | 16                 | 80              | same.                                                                              | ND                                  |                                  |       |
| 3            | 7             |     |                |                    |                 | [FILL]                                                                             |                                     |                                  |       |
|              | 9             |     |                |                    |                 |                                                                                    |                                     |                                  |       |
| 4            | 18            |     |                |                    |                 |                                                                                    |                                     |                                  |       |
|              | 9             | S-3 | 4-6            | 21                 | 75              | same.                                                                              | 1                                   |                                  |       |
| 5            | 11            |     |                |                    |                 |                                                                                    |                                     |                                  |       |
|              | 10            |     |                |                    |                 |                                                                                    |                                     |                                  |       |
| 6            | 11            |     |                |                    |                 |                                                                                    |                                     |                                  |       |
|              | 7             | S-4 | 6-8            | 25                 | 70              | grades; moist to wet.                                                              | 2                                   |                                  |       |
| 7            | 11            |     |                |                    |                 |                                                                                    |                                     |                                  |       |
|              | 14            |     |                |                    |                 |                                                                                    |                                     |                                  |       |
| 8            | 22            |     |                |                    |                 |                                                                                    |                                     |                                  |       |
|              | 11            | S-5 | 8-10           | 55                 | 75              | grades; very dense.                                                                | 4                                   |                                  |       |
| 9            | 23            |     |                |                    |                 |                                                                                    |                                     |                                  |       |
|              | 32            |     |                |                    |                 |                                                                                    |                                     |                                  |       |
| 10           | 32            |     |                |                    |                 |                                                                                    |                                     |                                  |       |
|              | 12            | S-6 | 10-12          | 41                 | 70              | grades; dense.                                                                     | 2                                   |                                  |       |
| 11           | 16            |     |                |                    |                 |                                                                                    |                                     |                                  |       |
|              | 25            |     |                |                    |                 |                                                                                    |                                     |                                  |       |
| 12           | 24            |     |                |                    |                 | [FILL] 12.0'                                                                       |                                     |                                  |       |
|              | 18            | S-7 | 12-14          | 64                 | 60              | Dense, brown, fine to coarse SAND, some Clayey Silt, trace Gravel, moist.          | ND                                  |                                  |       |
| 13           | 29            |     |                |                    |                 |                                                                                    |                                     |                                  |       |
|              | 35            |     |                |                    |                 |                                                                                    |                                     |                                  |       |
| 14           | 22            |     |                |                    |                 |                                                                                    |                                     |                                  |       |
|              | 18            | S-8 | 14-15.9        | 88                 | 80              | grades; very dense.                                                                | 1                                   |                                  |       |
| 15           | 39            |     |                |                    |                 |                                                                                    |                                     |                                  |       |
|              | 49            |     |                |                    |                 | [UPPER TILL]                                                                       |                                     |                                  |       |
| 16           | 100/0         | 4'  |                |                    |                 |                                                                                    |                                     |                                  |       |
|              | 21            | S-9 | 16-18          | 72                 | 70              | same.                                                                              | 0.8                                 |                                  |       |

**LEGEND**

S - Split Spoon Soil Sample

U - Undisturbed Soil Sample

C - Rock Core Sample

NOTES: (1) Organic Vapor Meter (OVM) reading of headspace using HNu PI-101 photoionization detector. ND=not detected above 1 ppm.

|                                                                                                                                                                                                                                                                                                                         |  |                         |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-------------------------|
| GENERAL 1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.<br>NOTES: 2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER MAY OCCUR DUE TO OTHER FACTORS THAN THOSE PRESENT AT THE TIME MEASUREMENTS WERE MADE. |  | BORING No. <u>SB-15</u> |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-------------------------|

| DEPTH | SAMPLE        |      |                |                    |                 | SAMPLE DESCRIPTION                                                                                                  | (1)<br>Peak<br>OVM<br>Read<br>(PPM) | EQUIPMENT<br>INSTALLATION<br>LOG              | NOTES |
|-------|---------------|------|----------------|--------------------|-----------------|---------------------------------------------------------------------------------------------------------------------|-------------------------------------|-----------------------------------------------|-------|
|       | BLOWS<br>/ 6" | NO.  | DEPTH<br>(FT.) | N-VALUE<br>/RQD(%) | RECOVERY<br>(%) |                                                                                                                     |                                     |                                               |       |
| 17    | 32            |      |                |                    |                 |                                                                                                                     | ND                                  | ← Cement/Bentonite Grout<br>from GS to 41.0'. |       |
|       | 40            |      |                |                    |                 |                                                                                                                     |                                     |                                               |       |
|       | 52            |      |                |                    |                 |                                                                                                                     |                                     |                                               |       |
| 18    | 10            | S-10 | 18-20          | 54                 | 70              | same.                                                                                                               | ND                                  |                                               |       |
|       | 16            |      |                |                    |                 | [UPPER TILL]                                                                                                        |                                     |                                               |       |
| 19    | 38            |      |                |                    |                 |                                                                                                                     |                                     |                                               |       |
|       | 34            |      |                |                    |                 |                                                                                                                     |                                     |                                               |       |
| 20    | 7             | S-11 | 20-22          | 48                 | 75              | same.                                                                                                               | ND                                  |                                               |       |
|       | 16            |      |                |                    |                 |                                                                                                                     |                                     |                                               |       |
| 21    | 32            |      |                |                    |                 |                                                                                                                     |                                     |                                               |       |
|       | 36            |      |                |                    |                 |                                                                                                                     |                                     |                                               |       |
| 22    | 31            | S-12 | 22-22.6        | >100               | 100             | same.                                                                                                               | ND                                  |                                               |       |
|       | 100/0.1'      |      |                |                    |                 |                                                                                                                     |                                     |                                               |       |
| 23    |               |      |                |                    |                 |                                                                                                                     |                                     |                                               |       |
|       |               |      |                |                    |                 |                                                                                                                     |                                     |                                               |       |
| 24    | 35            | S-13 | 24-25.9        | 58                 | 90              | Very dense, grey, fine to<br>coarse SAND, trace Clayey<br>Silt, trace Gravel wet.<br><br>(SAND STRATUM, 24.6 to 28) | 1                                   |                                               |       |
|       | 31            |      |                |                    |                 |                                                                                                                     |                                     |                                               |       |
| 25    | 27            |      |                |                    |                 |                                                                                                                     |                                     |                                               |       |
|       | 100/0.4'      |      |                |                    |                 |                                                                                                                     |                                     |                                               |       |
| 26    | 20            | S-14 | 26-28          | 86                 | 80              | same.                                                                                                               | 5                                   |                                               |       |
|       | 47            |      |                |                    |                 |                                                                                                                     |                                     |                                               |       |
| 27    | 39            |      |                |                    |                 |                                                                                                                     |                                     |                                               |       |
|       | 36            |      |                |                    |                 |                                                                                                                     |                                     |                                               |       |
| 28    | 39            | S-15 | 28-28.8        | >100               | 75              | Very dense, grey, fine to<br>coarse SAND, some clayey<br>Silt, trace Gravel, moist.                                 | ND                                  |                                               |       |
|       | 100/0.3'      |      |                |                    |                 |                                                                                                                     |                                     |                                               |       |
| 29    |               |      |                |                    |                 | [LOWER TILL]                                                                                                        |                                     |                                               |       |
|       |               |      |                |                    |                 |                                                                                                                     |                                     |                                               |       |
| 30    | 30            | S-16 | 30-30.9        | >100               | 90              | same.                                                                                                               | ND                                  |                                               |       |
|       | 100/0.4'      |      |                |                    |                 |                                                                                                                     |                                     |                                               |       |
| 31    |               |      |                |                    |                 |                                                                                                                     |                                     |                                               |       |
|       |               |      |                |                    |                 |                                                                                                                     |                                     |                                               |       |
| 32    | 34            | S-17 | 32-32.7        | >100               | 80              | same.                                                                                                               | 1                                   |                                               |       |
|       | 100/0.2'      |      |                |                    |                 |                                                                                                                     |                                     |                                               |       |
| 33    |               |      |                |                    |                 |                                                                                                                     |                                     |                                               |       |
|       |               |      |                |                    |                 |                                                                                                                     |                                     |                                               |       |
| 34    | 26            | S-18 | 34-35.5        | >100               | 100             | same.                                                                                                               | ND                                  |                                               |       |
|       | 34            |      |                |                    |                 |                                                                                                                     |                                     |                                               |       |
| 35    | 100/0.5'      |      |                |                    |                 |                                                                                                                     |                                     |                                               |       |
|       |               |      |                |                    |                 |                                                                                                                     |                                     |                                               |       |
| 36    | 42            | S-19 | 36-36.7        | >100               | 100             | same.                                                                                                               |                                     |                                               |       |

LEGEND  
S - Split Spoon Soil Sample  
U - Undisturbed Soil Sample  
C - Rock Core Sample

NOTES: (1) Organic Vapor Meter (OVM) reading of headspace using HNU PI-101  
photoionization detector. ND=not detected above 1 ppm.

GENERAL 1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.  
NOTES: 2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER  
MAY OCCUR DUE TO OTHER FACTORS THAN THOSE PRESENT AT THE TIME MEASUREMENTS WERE MADE.

GZA

## ENGINEERS AND SCIENTISTS

PROJECT  
Stuart-Oliver-Holtz  
Rochester, New York

BORING No. SB-15  
SHEET 3 OF 3  
FILE No. 19078.10  
CHKD. BY GJK

[illegible]

### LEGEND

**LEGEND**  
S - Split Spoon Soil Sample  
U - Undisturbed Soil Sample  
C - Rock Core Sample

NOTES: (1) Organic Vapor Meter (OVM) reading of Headspace HNu PI-101 photoionization detector. ND=not detected above 1 ppm.

GENERAL NOTES: 1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.  
2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER MAY OCCUR DUE TO OTHER FACTORS THAN THOSE PRESENT AT THE TIME MEASUREMENTS WERE MADE.

**GZA**

BORING No. SB-15

|                                                                        |  |  |  |  |                                                                           |  |  |  |  |                                                                                                          |  |  |  |  |
|------------------------------------------------------------------------|--|--|--|--|---------------------------------------------------------------------------|--|--|--|--|----------------------------------------------------------------------------------------------------------|--|--|--|--|
| GZA GEOENVIRONMENTAL OF NEW YORK<br>364 NAGEL DRIVE, BUFFALO, NEW YORK |  |  |  |  | <b>PROJECT</b><br><u>Stuart-Oliver-Holtz</u><br><u>Rochester New York</u> |  |  |  |  | BORING No. <u>SB-16</u><br>SHEET <u>1</u> OF <u>3</u><br>FILE No. <u>T9078.10</u><br>CHKD. BY <u>GJK</u> |  |  |  |  |
| <b>ENGINEERS AND SCIENTISTS</b>                                        |  |  |  |  |                                                                           |  |  |  |  |                                                                                                          |  |  |  |  |
| CONTRACTOR <u>Nothnagle Drilling</u>                                   |  |  |  |  | BORING LOCATION <u>See Location Plan</u>                                  |  |  |  |  |                                                                                                          |  |  |  |  |
| DRILLER <u>Kevin Busch</u>                                             |  |  |  |  | GROUND SURFACE ELEVATION <u>526.0</u>                                     |  |  |  |  | DATUM <u>NGVD</u>                                                                                        |  |  |  |  |
| GZA GEOENVIRONMENTAL REPRESENTATIVE <u>Dave Belaskas</u>               |  |  |  |  | START DATE <u>6-20-95</u>                                                 |  |  |  |  | END DATE <u>6-20-95</u>                                                                                  |  |  |  |  |

| TYPE OF DRILL RIG <u>BK-81</u>                                         |  |  |  |  |  | WATER LEVEL DATA |      |       |        |                     |
|------------------------------------------------------------------------|--|--|--|--|--|------------------|------|-------|--------|---------------------|
| CASING SIZE AND TYPE <u>2-1/4 inch Hollow Stem Augers</u>              |  |  |  |  |  | DATE             | TIME | WATER | CASING | REMARKS             |
| OVERBURDEN SAMPLING METHOD <u>2 inch OD x 24 inch long split spoon</u> |  |  |  |  |  | 6-20-95          | 1300 | 26'   | 44'    | Stabilized 0.5 hrs. |
| ROCK DRILLING METHOD _____                                             |  |  |  |  |  |                  |      |       |        |                     |

| DEPTH | SAMPLE     |     |             |                 |              | SAMPLE DESCRIPTION                                                                                  | (1) Peak OVM Read (PPM) | EQUIPMENT INSTALLATION LOG | NOTES                                   |
|-------|------------|-----|-------------|-----------------|--------------|-----------------------------------------------------------------------------------------------------|-------------------------|----------------------------|-----------------------------------------|
|       | BLOWS / 6" | NO. | DEPTH (FT.) | N-VALUE /RQD(%) | RECOVERY (%) |                                                                                                     |                         |                            |                                         |
| 1     | 5          | S-1 | 0-2         | 9               | 85           | Loose, brown, fine to coarse SAND, trace clayey Silt, moist. (rock fragments)                       | ND                      |                            | Cement/Bentonite Grout from GS to 44.0' |
|       | 5          |     |             |                 |              |                                                                                                     |                         |                            |                                         |
|       | 4          |     |             |                 |              |                                                                                                     |                         |                            |                                         |
| 2     | 5          |     |             |                 |              | [FILL] 2.2'                                                                                         | ND                      |                            |                                         |
|       | 6          | S-2 | 2-4         | 13              | 90           |                                                                                                     |                         |                            |                                         |
|       | 5          |     |             |                 |              |                                                                                                     |                         |                            |                                         |
| 3     | 8          |     |             |                 |              | [LACUSTRINE]                                                                                        | ND                      |                            |                                         |
|       | 8          |     |             |                 |              |                                                                                                     |                         |                            |                                         |
|       | 8          |     |             |                 |              |                                                                                                     |                         |                            |                                         |
| 4     | 7          | S-3 | 4-6         | 24              | 80           | grades; very stiff.                                                                                 | ND                      |                            |                                         |
|       | 9          |     |             |                 |              |                                                                                                     |                         |                            |                                         |
|       | 15         |     |             |                 |              |                                                                                                     |                         |                            |                                         |
| 5     | 19         |     |             |                 |              | grades; hard.                                                                                       | ND                      |                            |                                         |
|       | 15         | S-4 | 6-8         | 40              | 80           |                                                                                                     |                         |                            |                                         |
|       | 16         |     |             |                 |              |                                                                                                     |                         |                            |                                         |
| 6     | 24         |     |             |                 |              | grades; stiff.                                                                                      | ND                      |                            |                                         |
|       | 22         |     |             |                 |              |                                                                                                     |                         |                            |                                         |
|       | 5          | S-5 | 8-10        | 10              | 80           |                                                                                                     |                         |                            |                                         |
| 7     | 5          |     |             |                 |              | Stiff, brown, CLAY & SILT, some fine to coarse SAND, trace gravel, moist to wet. [LACUSTRINE] 10.0' | ND                      |                            |                                         |
|       | 5          |     |             |                 |              |                                                                                                     |                         |                            |                                         |
|       | 7          |     |             |                 |              |                                                                                                     |                         |                            |                                         |
| 8     | 11         | S-6 | 10-12       | 43              | 60           | Dense, brown, fine to coarse SAND, little clayey Silt, wet.                                         | ND                      |                            |                                         |
|       | 20         |     |             |                 |              |                                                                                                     |                         |                            |                                         |
|       | 23         |     |             |                 |              |                                                                                                     |                         |                            |                                         |
| 9     | 22         |     |             |                 |              | [UPPER TILL]                                                                                        | ND                      |                            |                                         |
|       | 12         | S-7 | 12-14       | 26              | 80           |                                                                                                     |                         |                            |                                         |
|       | 13         |     |             |                 |              |                                                                                                     |                         |                            |                                         |
| 10    | 13         |     |             |                 |              | Medium dense, brown, fine to coarse SAND, little clayey Silt, trace gravel, wet.                    | ND                      |                            |                                         |
|       | 13         |     |             |                 |              |                                                                                                     |                         |                            |                                         |
|       | 13         |     |             |                 |              |                                                                                                     |                         |                            |                                         |
| 11    | 8          | S-8 | 14-16       | 17              | 60           | same.                                                                                               | ND                      |                            |                                         |
|       | 8          |     |             |                 |              |                                                                                                     |                         |                            |                                         |
|       | 9          |     |             |                 |              |                                                                                                     |                         |                            |                                         |
| 12    | 9          |     |             |                 |              | Very dense, brown, fine to medium SAND, little till Silt, moist.                                    | ND                      |                            |                                         |
|       | 9          |     |             |                 |              |                                                                                                     |                         |                            |                                         |
|       | 17         | S-9 | 16-18       | 62              | 70           |                                                                                                     |                         |                            |                                         |

**LEGEND**

S - Split Spoon Soil Sample

U - Undisturbed Soil Sample

C - Rock Core Sample

NOTES: (1) Organic Vapor Meter (OVM) reading of headspace using HNU PI-101 photoionization detector. ND=not detected above 1 ppm.

|         |                                                                                                                                                                                                |
|---------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| GENERAL | 1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.                                                                                         |
| NOTES:  | 2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER MAY OCCUR DUE TO OTHER FACTORS THAN THOSE PRESENT AT THE TIME MEASUREMENTS WERE MADE. |

GZA
BORING No. SB-16

GZA GEOENVIRONMENTAL OF NEW YORK  
364 NAGEL DRIVE, BUFFALO, NEW YORK  
ENGINEERS AND SCIENTISTS

PROJECT  
Stuart-Oliver-Holtz  
Rochester, New York

BORING No. SB-16  
SHEET 2 OF 3  
FILE No. 19078.10  
CHKD. BY GJK

| DEPTH | SAMPLE        |      |                |                    |                 | SAMPLE DESCRIPTION                                                                                                                         | (1)<br>Peak<br>OVM<br>Read<br>(PPM) | EQUIPMENT<br>INSTALLATION<br>LOG | NOTES |
|-------|---------------|------|----------------|--------------------|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|----------------------------------|-------|
|       | BLOWS<br>/ 6" | NO.  | DEPTH<br>(FT.) | N-VALUE<br>/RQD(%) | RECOVERY<br>(%) |                                                                                                                                            |                                     |                                  |       |
| 17    | 29            |      |                |                    |                 |                                                                                                                                            |                                     |                                  |       |
|       | 33            |      |                |                    |                 |                                                                                                                                            |                                     |                                  |       |
|       | 50            |      |                |                    |                 |                                                                                                                                            |                                     |                                  |       |
| 18    | 18            | S-10 | 18-20          | 80                 | 95              | Very Dense, brown, fine to coarse SAND, little Clayey Silt, trace Gravel, wet.                                                             | ND                                  |                                  |       |
|       | 36            |      |                |                    |                 |                                                                                                                                            |                                     |                                  |       |
| 19    | 44            |      |                |                    |                 |                                                                                                                                            |                                     |                                  |       |
|       | 40            |      |                |                    |                 |                                                                                                                                            |                                     |                                  |       |
| 20    | 36            | S-11 | 20-22          | 95                 | 70              | Very Dense, brown, fine to medium SAND, little Silt, wet.                                                                                  | ND                                  |                                  |       |
|       | 45            |      |                |                    |                 |                                                                                                                                            |                                     |                                  |       |
| 21    | 50            |      |                |                    |                 | [UPPER TILL]                                                                                                                               |                                     |                                  |       |
|       | 50            |      |                |                    |                 | (SAND STRATUM 18.0-22.0) 20'                                                                                                               |                                     |                                  |       |
| 22    | 36            | S-12 | 22-24          | >100               | 90              | Very Dense, brown, fine to medium SAND, some Silt, moist.                                                                                  | ND                                  |                                  |       |
|       | 51            |      |                |                    |                 |                                                                                                                                            |                                     |                                  |       |
| 23    | 67            |      |                |                    |                 | [LOWER TILL]                                                                                                                               |                                     |                                  |       |
|       | 64            |      |                |                    |                 |                                                                                                                                            |                                     |                                  |       |
| 24    | 38            | S-13 | 24-26          | >100               | 100             | Very Dense, brown, fine to medium SAND, some Silt, moist.                                                                                  | ND                                  |                                  |       |
|       | 54            |      |                |                    |                 |                                                                                                                                            |                                     |                                  |       |
| 25    | 54            |      |                |                    |                 |                                                                                                                                            |                                     |                                  |       |
|       | 49            |      |                |                    |                 |                                                                                                                                            |                                     |                                  |       |
| 26    | 37            | S-14 | 26-27.4        | >100               | 75              | grades; wet.                                                                                                                               | ND                                  |                                  |       |
|       | 55            |      |                |                    |                 |                                                                                                                                            |                                     |                                  |       |
| 27    | 100/5*        |      |                |                    |                 |                                                                                                                                            |                                     |                                  |       |
|       |               |      |                |                    |                 |                                                                                                                                            |                                     |                                  |       |
| 28    | 40            | S-15 | 28-30          | >100               | 80              | grades; moist.                                                                                                                             | ND                                  |                                  |       |
|       | 51            |      |                |                    |                 |                                                                                                                                            |                                     |                                  |       |
| 29    | 59            |      |                |                    |                 |                                                                                                                                            |                                     |                                  |       |
|       | 63            |      |                |                    |                 |                                                                                                                                            |                                     |                                  |       |
| 30    | 37            | S-16 | 30-32          | >100               | 85              | grades; wet.                                                                                                                               | ND                                  |                                  |       |
|       | 48            |      |                |                    |                 |                                                                                                                                            |                                     |                                  |       |
| 31    | 57            |      |                |                    |                 | [LOWER TILL]                                                                                                                               |                                     |                                  |       |
|       | 55            |      |                |                    |                 |                                                                                                                                            |                                     |                                  |       |
| 32    | 49            | S-17 | 32-33.8        | >100               | 90              | Very dense, brown, fine to coarse SAND, some Clayey Silt, trace Gravel, moist.                                                             | ND                                  |                                  |       |
|       | 56            |      |                |                    |                 |                                                                                                                                            |                                     |                                  |       |
| 33    | 73            |      |                |                    |                 |                                                                                                                                            |                                     |                                  |       |
|       | 100/3*        |      |                |                    |                 | [LOWER TILL]                                                                                                                               | ND                                  |                                  |       |
| 34    | 60            | S-18 | 34-35.5        | >100               | 100             |                                                                                                                                            |                                     |                                  |       |
|       | 45            |      |                |                    |                 |                                                                                                                                            |                                     |                                  |       |
| 35    | 100/6*        |      |                |                    |                 | same. 35.2'                                                                                                                                |                                     |                                  |       |
|       |               |      |                |                    |                 |                                                                                                                                            |                                     |                                  |       |
| 36    | 59            | S-19 | 36-36.8        | >100               | 100             | [SEVERELY WEATHERED BEDROCK]<br>Green to grey weathered rock fragments, moist to wet.<br>Green to red, gray weathered rock fragments, wet. | ND                                  |                                  |       |

LEGEND

S - Split Spoon Soil Sample  
U - Undisturbed Soil Sample  
C - Rock Core Sample

NOTES: (1) Organic Vapor Meter (OVM) reading of headspace using HNu PI-101 photoionization detector. ND=not detected above 1 ppm.

GENERAL 1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.  
NOTES: 2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER MAY OCCUR DUE TO OTHER FACTORS THAN THOSE PRESENT AT THE TIME MEASUREMENTS WERE MADE.

GZA

BORING No. SB-16

GZA GEOENVIRONMENTAL OF NEW YORK  
364 NAGEL DRIVE, BUFFALO, NEW YORK  
ENGINEERS AND SCIENTISTS

PROJECT  
Stuart-Oliver-Holtz  
Rochester, New York

BORING No. SB-16  
SHEET 3 OF 3  
FILE No. 19078.10  
CHKD. BY GJK

| DEPTH | SAMPLE        |      |                |                    |                 | SAMPLE DESCRIPTION                                                   | (1)<br>Peak<br>OVM<br>Read<br>(PPM) | EQUIPMENT<br>INSTALLATION<br>LOG | NOTES |
|-------|---------------|------|----------------|--------------------|-----------------|----------------------------------------------------------------------|-------------------------------------|----------------------------------|-------|
|       | BLOWS<br>/ 6" | NO.  | DEPTH<br>(FT.) | N-VALUE<br>/RQD(%) | RECOVERY<br>(%) |                                                                      |                                     |                                  |       |
| 37    | 100/4*        |      |                |                    |                 |                                                                      |                                     |                                  |       |
| 38    | 26            | S-20 | 38-39.6        | >100               | 80              | Very dense, green to red to grey weathered rock fragments, wet.      | ND                                  |                                  |       |
| 39    | 41            |      |                |                    |                 |                                                                      |                                     |                                  |       |
|       | 61            |      |                |                    |                 |                                                                      |                                     |                                  |       |
| 40    | 100/1*        |      |                |                    |                 | [SEVERELY WEATHERED BEDROCK] grades; gypsum seam and till seam, wet. | ND                                  |                                  |       |
|       | 100/4*        | S-21 | 40-40.3        | >100               | 100             |                                                                      |                                     |                                  |       |
| 41    |               |      |                |                    |                 |                                                                      |                                     |                                  |       |
| 42    | 100/3*        | S-22 | 42-42.3        | >100               | 75              | grades; moist.                                                       | ND                                  |                                  |       |
| 43    |               |      |                |                    |                 |                                                                      |                                     |                                  |       |
| 44    | 100/1*        | S-23 | 44-44.1        | >100               | 100             | Auger refusal at 44'. Bottom of boring at 44'.                       | ND                                  |                                  |       |
| 45    |               |      |                |                    |                 |                                                                      |                                     |                                  |       |
| 46    |               |      |                |                    |                 |                                                                      |                                     |                                  |       |
| 47    |               |      |                |                    |                 |                                                                      |                                     |                                  |       |
| 48    |               |      |                |                    |                 |                                                                      |                                     |                                  |       |
| 49    |               |      |                |                    |                 |                                                                      |                                     |                                  |       |
| 50    |               |      |                |                    |                 |                                                                      |                                     |                                  |       |

LEGEND

S - Split Spoon Soil Sample  
U - Undisturbed Soil Sample  
C - Rock Core Sample

NOTES: (1) Organic Vapor Meter (OVM) reading of Headspace HNu PI-101 photoionization detector. ND=not detected above 1 ppm.

GENERAL 1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.  
NOTES: 2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER MAY OCCUR DUE TO OTHER FACTORS THAN THOSE PRESENT AT THE TIME MEASUREMENTS WERE MADE.

GZA

BORING No. SB-16

|                                                                                                                                |  |                                                                                                                                                          |  |                                                                                                          |  |
|--------------------------------------------------------------------------------------------------------------------------------|--|----------------------------------------------------------------------------------------------------------------------------------------------------------|--|----------------------------------------------------------------------------------------------------------|--|
| GZA GEOENVIRONMENTAL OF NEW YORK<br>364 NAGEL DRIVE, BUFFALO, NEW YORK<br>ENGINEERS AND SCIENTISTS                             |  | PROJECT<br><u>Stuart-Oliver-Holtz</u><br><u>Rochester, New York</u>                                                                                      |  | BORING No. <u>SB-17</u><br>SHEET <u>1</u> OF <u>3</u><br>FILE No. <u>19078.10</u><br>CHKD. BY <u>GJK</u> |  |
| CONTRACTOR <u>Wothnagle Drilling</u><br>DRILLER <u>Kevin Busch</u><br>GZA GEOENVIRONMENTAL REPRESENTATIVE <u>Dave Belaskas</u> |  | BORING LOCATION <u>See Location Plan</u><br>GROUND SURFACE ELEVATION <u>531.3</u> DATUM <u>NGVD</u><br>START DATE <u>6-19-95</u> END DATE <u>6-19-95</u> |  |                                                                                                          |  |

| TYPE OF DRILL RIG <u>BK-81</u><br>CASING SIZE AND TYPE <u>2-1/4 inch Hollow Stem Augers</u><br>OVERBURDEN SAMPLING METHOD <u>2 inch OD x 24 inch long split spoon</u><br>ROCK DRILLING METHOD _____ | WATER LEVEL DATA                                                                                                                                                                                                                                                                                                                                                                                         |       |        |                     |        |         |         |      |     |      |                     |  |  |  |  |  |  |  |  |  |  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|--------|---------------------|--------|---------|---------|------|-----|------|---------------------|--|--|--|--|--|--|--|--|--|--|
|                                                                                                                                                                                                     | <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th>DATE</th> <th>TIME</th> <th>WATER</th> <th>CASING</th> <th>REMARKS</th> </tr> <tr> <td>6-19-95</td> <td>1400</td> <td>dry</td> <td>429'</td> <td>Stabilized 10 mins.</td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </table> | DATE  | TIME   | WATER               | CASING | REMARKS | 6-19-95 | 1400 | dry | 429' | Stabilized 10 mins. |  |  |  |  |  |  |  |  |  |  |
| DATE                                                                                                                                                                                                | TIME                                                                                                                                                                                                                                                                                                                                                                                                     | WATER | CASING | REMARKS             |        |         |         |      |     |      |                     |  |  |  |  |  |  |  |  |  |  |
| 6-19-95                                                                                                                                                                                             | 1400                                                                                                                                                                                                                                                                                                                                                                                                     | dry   | 429'   | Stabilized 10 mins. |        |         |         |      |     |      |                     |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                          |       |        |                     |        |         |         |      |     |      |                     |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                          |       |        |                     |        |         |         |      |     |      |                     |  |  |  |  |  |  |  |  |  |  |

| DEPTH | SAMPLE     |     |             |                  |              | SAMPLE DESCRIPTION                                                          | EQUIPMENT<br>INSTALLATION<br>LOG | NOTES                                      |
|-------|------------|-----|-------------|------------------|--------------|-----------------------------------------------------------------------------|----------------------------------|--------------------------------------------|
|       | BLOWS / 6" | NO. | DEPTH (FT.) | N-VALUE / RQD(%) | RECOVERY (%) |                                                                             |                                  |                                            |
|       |            | S-1 | 0.5-2       | 44               | 80           | 0-0.5' Pavement and subbase.                                                |                                  |                                            |
| 1     | 15         |     |             |                  |              | Dense, brown, fine to coarse SAND, little Clayey Silt, trace gravel, moist. |                                  | ← Cement/Bentonite Grout from GS to 42.1'. |
|       | 29         |     |             |                  |              |                                                                             |                                  |                                            |
| 2     | 27         |     |             |                  |              | [FILL]                                                                      |                                  |                                            |
|       | 31         | S-2 | 2-4         | 66               | 80           | same.                                                                       |                                  |                                            |
|       | 33         |     |             |                  |              |                                                                             |                                  |                                            |
| 3     | 33         |     |             |                  |              |                                                                             |                                  |                                            |
|       | 36         |     |             |                  |              |                                                                             |                                  |                                            |
| 4     | 12         | S-3 | 4-6         | 39               | 75           | same.                                                                       |                                  |                                            |
|       | 17         |     |             |                  |              |                                                                             |                                  |                                            |
| 5     | 22         |     |             |                  |              |                                                                             |                                  |                                            |
|       | 22         |     |             |                  |              |                                                                             |                                  |                                            |
| 6     | 17         | S-4 | 6-8         | 44               | 80           | same.                                                                       |                                  |                                            |
|       | 20         |     |             |                  |              |                                                                             |                                  |                                            |
| 7     | 24         |     |             |                  |              |                                                                             |                                  |                                            |
|       | 18         |     |             |                  |              |                                                                             |                                  |                                            |
| 8     | 19         | S-5 | 8-10        | 49               | 80           | same.                                                                       |                                  |                                            |
|       | 12         |     |             |                  |              |                                                                             |                                  |                                            |
| 9     | 37         |     |             |                  |              |                                                                             |                                  |                                            |
|       | 20         |     |             |                  |              |                                                                             |                                  |                                            |
| 10    | 19         | S-6 | 10-12       | 31               | 30           | same except moist to wet.                                                   |                                  |                                            |
|       | 19         |     |             |                  |              |                                                                             |                                  |                                            |
| 11    | 12         |     |             |                  |              |                                                                             |                                  |                                            |
|       | 19         |     |             |                  |              |                                                                             |                                  |                                            |
| 12    | 18         | S-7 | 12-14       | >100             | 75           | same.                                                                       |                                  |                                            |
|       | 66         |     |             |                  |              |                                                                             |                                  |                                            |
| 13    | 37         |     |             |                  |              |                                                                             |                                  |                                            |
|       | 32         |     |             |                  |              |                                                                             |                                  |                                            |
| 14    | 25         | S-8 | 14-16       | 55               | 75           | same.                                                                       |                                  |                                            |
|       | 30         |     |             |                  |              |                                                                             |                                  |                                            |
| 15    | 25         |     |             |                  |              | 15.3'                                                                       |                                  |                                            |
|       | 26         |     |             |                  |              | Very dense, brown, fine to medium SAND, little Silt, wet.                   |                                  |                                            |
| 16    | 18         | S-9 | 16-18       | 55               | 100          | Very dense, brown, fine to medium SAND, little Silt, wet.                   |                                  |                                            |

|                                                                                                     |                                                                                                                                          |
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| <b>LEGEND</b><br>S - Split Spoon Soil Sample<br>U - Undisturbed Soil Sample<br>C - Rock Core Sample | <b>NOTES:</b> (1) Organic Vapor Meter (OVM) reading of headspace using HNU PI-101 photoionization detector. ND=not detected above 1 ppm. |
|-----------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|

|                |                                                                                                                                                                                                                                                                                                          |
|----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>GENERAL</b> | 1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.<br>2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER MAY OCCUR DUE TO OTHER FACTORS THAN THOSE PRESENT AT THE TIME MEASUREMENTS WERE MADE. |
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| <b>GZA</b> | BORING No. <u>SB-17</u> |
|------------|-------------------------|

GZA GEOENVIRONMENTAL OF NEW YORK  
364 NAGEL DRIVE, BUFFALO, NEW YORK

ENGINEERS AND SCIENTISTS

PROJECT  
Stuart-Oliver-Holtz  
Rochester, New York

BORING No. SB-17  
SHEET 2 OF 3  
FILE No. 19078.10  
CHKD. BY GJK

| DEPTH | SAMPLE        |      |                |                    |                 | SAMPLE DESCRIPTION                                                                                     | (1)<br>Peak<br>OVM<br>Read<br>(PPM) | EQUIPMENT<br>INSTALLATION<br>LOG | NOTES                                       |
|-------|---------------|------|----------------|--------------------|-----------------|--------------------------------------------------------------------------------------------------------|-------------------------------------|----------------------------------|---------------------------------------------|
|       | BLOWS<br>/ 6" | NO.  | DEPTH<br>(FT.) | N-VALUE<br>/RQD(%) | RECOVERY<br>(%) |                                                                                                        |                                     |                                  |                                             |
| 17    | 25            |      |                |                    |                 | [UPPER TILL]<br>(SAND STRATUM 15.3 to 19.3)                                                            |                                     |                                  | Cement/Bentonite Grout<br>from GS to 42.1'. |
|       | 30            |      |                |                    |                 | (SAND)                                                                                                 |                                     |                                  |                                             |
| 18    | 33            |      |                |                    |                 |                                                                                                        |                                     |                                  |                                             |
|       | 46            | S-10 | 18-20          | 93                 | 80              | same.                                                                                                  | ND                                  |                                  |                                             |
|       | 42            |      |                |                    |                 |                                                                                                        |                                     |                                  |                                             |
| 19    | 51            |      |                |                    |                 | [UPPER TILL] 19.3                                                                                      |                                     |                                  |                                             |
|       | 51            |      |                |                    |                 | Very dense, brown, fine to<br>coarse SAND, little Clayey<br>Silt, moist.                               |                                     |                                  |                                             |
| 20    | 34            | S-11 | 20-22          | 91                 | 80              | Very dense, brown, fine to<br>coarse SAND, little Clayey<br>Silt, moist.                               | ND                                  |                                  |                                             |
|       | 41            |      |                |                    |                 |                                                                                                        |                                     |                                  |                                             |
| 21    | 50            |      |                |                    |                 | [LOWER TILL]                                                                                           |                                     |                                  |                                             |
|       | 46            |      |                |                    |                 |                                                                                                        |                                     |                                  |                                             |
| 22    | 24            | S-12 | 22-22.9        | >100               | 75              | same.                                                                                                  | ND                                  |                                  |                                             |
|       | 100/5         |      |                |                    |                 |                                                                                                        |                                     |                                  |                                             |
| 23    |               |      |                |                    |                 |                                                                                                        |                                     |                                  |                                             |
|       |               |      |                |                    |                 |                                                                                                        |                                     |                                  |                                             |
| 24    | 17            | S-13 | 24-26          | >100               | 90              | same.                                                                                                  | ND                                  |                                  |                                             |
|       | 41            |      |                |                    |                 |                                                                                                        |                                     |                                  |                                             |
| 25    | 64            |      |                |                    |                 |                                                                                                        |                                     |                                  |                                             |
|       | 56            |      |                |                    |                 |                                                                                                        |                                     |                                  |                                             |
| 26    | 45            | S-14 | 26-28          | 99                 | 95              | same.                                                                                                  | ND                                  |                                  |                                             |
|       | 49            |      |                |                    |                 |                                                                                                        |                                     |                                  |                                             |
| 27    | 50            |      |                |                    |                 |                                                                                                        |                                     |                                  |                                             |
|       | 54            |      |                |                    |                 | [LOWER TILL]                                                                                           |                                     |                                  |                                             |
| 28    | 32            | S-15 | 28-30          | 98                 | 95              | same.                                                                                                  | ND                                  |                                  |                                             |
|       | 42            |      |                |                    |                 |                                                                                                        |                                     |                                  |                                             |
| 29    | 56            |      |                |                    |                 |                                                                                                        |                                     |                                  |                                             |
|       | 49            |      |                |                    |                 |                                                                                                        |                                     |                                  |                                             |
| 30    | 28            | S-16 | 30-32          | >100               | 100             | same.                                                                                                  | ND                                  |                                  |                                             |
|       | 50            |      |                |                    |                 |                                                                                                        |                                     |                                  |                                             |
| 31    | 55            |      |                |                    |                 |                                                                                                        |                                     |                                  |                                             |
|       | 46            |      |                |                    |                 |                                                                                                        |                                     |                                  |                                             |
| 32    | 30            | S-17 | 32-34          | >100               | 100             | same.                                                                                                  | ND                                  |                                  |                                             |
|       | 48            |      |                |                    |                 |                                                                                                        |                                     |                                  |                                             |
| 33    | 78            |      |                |                    |                 |                                                                                                        |                                     |                                  |                                             |
|       | 66            |      |                |                    |                 |                                                                                                        |                                     |                                  |                                             |
| 34    | 100/5"        | S-18 | 34-34.4        | >100               | 100             | same, with reddish brown,<br>green, shale fragments.                                                   | ND                                  |                                  |                                             |
|       |               |      |                |                    |                 |                                                                                                        |                                     |                                  |                                             |
| 35    |               |      |                |                    |                 |                                                                                                        |                                     |                                  |                                             |
|       |               |      |                |                    |                 | [LOWER TILL] 35.8                                                                                      |                                     |                                  |                                             |
| 36    | 100/3"        | S-19 | 36-36.3        | >100               | 100             | [SEVERELY WEATHERED BEDROCK]<br>Very dense, greenish brown,<br>weathered rock fragments, moist to dry. | ND                                  |                                  |                                             |

LEGEND

S - Split Spoon Soil Sample  
U - Undisturbed Soil Sample  
C - Rock Core Sample

NOTES: (1) Organic Vapor Meter (OVM) reading of headspace using HNu PI-101 photoionization detector. ND=not detected above 1 ppm.

GENERAL 1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.  
NOTES: 2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER  
MAY OCCUR DUE TO OTHER FACTORS THAN THOSE PRESENT AT THE TIME MEASUREMENTS WERE MADE.

GZA

BORING No. SB-17



## ENGINEERS AND SCIENTISTS

PROJECT  
Stuart-Oliver-Holtz  
Rochester, New York

BORING No. SB-17  
SHEET 3 OF 3  
FILE No. 19078.10  
CHKD. BY GJK

|                                                                                                                        |                                                                                                                                    |
|------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|
| <p><b>LEGEND</b></p> <p>S - Split Spoon Soil Sample</p> <p>U - Undisturbed Soil Sample</p> <p>C - Rock Core Sample</p> | <p>NOTES: (1) Organic Vapor Meter (OVM) reading of Headspace HNu PI-101 photoionization detector. ND=not detected above 1 ppm.</p> |
|------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|

GENERAL NOTES: 1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.  
2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER MAY OCCUR DUE TO OTHER FACTORS THAN THOSE PRESENT AT THE TIME MEASUREMENTS WERE MADE.

**GZA**

BORING No. SB-17



DESCRIPTION OF ROCK CORE SAMPLES

Description of rock core samples on the boring logs are based on visual observation of the samples. Rock core features are generally described with the following information.

- 1. Color: Visual.
- 2. Rock Type: The geologic rock type is presented.
- 3. Rock Hardness:

A measure of resistance to scratching or abrasion.

Very Hard - Cannot be scratched with a knife or sharp pick. Breaking of hand specimens requires several hard blows of a geologist's pick.

Hard - Can be scratched with a knife or pick only with difficulty. Hard blow of hammer required to detach hand specimen.

Moderately Hard - Can be scratched with a knife or pick. Gouges or grooves to 1/4 inch can be excavated by hard blows with point of a geologist's pick. Hand specimens can be detached by moderate blow of hammer.

Medium Hard - Can be grooved or gouged 1/16 inch deep by firm pressure on knife or pick point. Can be excavated in small chips to pieces about 1 inch maximum size by hard blows with the point of a geologist's pick.

Soft - Can be gouged or grooved readily with knife or pick point. Can be excavated in chips to pieces several inches in size. Small thin pieces can be broken with finger pressure.

Very Soft - Can be carved with knife. Can be excavated readily with point of pick. Pieces 1 inch or more in thickness can be broken with finger pressure. Can be scratched readily with fingernail.

Note: This is an engineering description and should not be confused with Moh's scale for minerals.

- 4. Weathering:
  - Fresh - Rock fresh, crystals bright, few joints may show slight straining. Rock rings under hammer if crystalline.
  - Very Slight - Rock generally fresh, joints stained, some joints may show thin clay coatings, crystals in broken face show bright. Rock rings under hammer if crystalline.

Slight - Rock generally fresh, joints stained, and discoloration extends into rock up to 1 inch. Joints may contain clay. In granitoid rocks some occasional feldspar crystals are dull and discolored. Crystalline rocks ring under hammer.

Moderate - Significant portions of rock show discoloration and weathering effects. In granitoid rocks, most feldspars are dull and discolored; some show clayey. Rock has dull sound under hammer and shows significant loss of strength as compared with fresh rock.

Moderately Severe - All rock except quartz discolored or stained. In granitoid rocks, all feldspars dull and discolored and majority show kaolinitization. Rock shows severe loss of strength and can be excavated with geologist's pick. Rock goes "clunk" when struck.

Severe - All rock except quartz discolored or stained. Rock "fabric" clear and evident, but reduced in strength to strong soil. In granitoid rocks, all feldspars kaolinitized to some extent. Some fragments of strong rock usually left.

Very Severe - All rock except quartz discolored or stained. Rock "fabric" discernible, but mass effectively reduced to "soil" with only fragments of strong rock remaining.

5. Texture:

The description of the average or predominant mineralogical grain size diameter of igneous and metamorphic rocks and constituent grain size diameter of sedimentary rocks.

- Aphanitic - Too small to be seen with the unaided eye.
- Fine-grained - Visible with the unaided eye to 1/16 inch diameter.
- Medium-grained - 1/16 inch to 1/4 inch diameter.
- Coarse-grained - >1/4 inch.

6. Structure and Discontinuity Description:

6.1 Definitions:

Bedding - Composition and textural layering in sedimentary rocks; the term may be used with caution to describe layering in metamorphic and/or volcanic rocks (flow banding)

Foliation - Any planar fabric homogeneously distributed throughout the rock mass at the scale of observation. Bedding is foliation (primary). Most foliation in rock is secondary.

Discontinuity - A natural occurring break in the rock. This general term includes joints, faults, shears and other fractures. Unless stated, the specific nature of the discontinuity is not defined herein.

Discontinuity, bedding and foliation spacing:

| Spacing            | Discontinuity    | Bedding and foliation |
|--------------------|------------------|-----------------------|
| Less than 2 inches | Very close       | Very thin             |
| 2 inches - 1 foot  | Close            | Thin                  |
| 1 foot - 3 feet    | Moderately close | Medium                |
| 3 feet - 10 feet   | Wide             | Thick                 |
| More than 10 feet  | Very wide        | Very thick            |

7. Other features:

7.1 Fracture Surface Mineralization: Secondary mineralization (calcite, quartz, graphite, metals), clay development, rust weathering, solution or other indicators or alteration.

7.2 slickensides: Polished rock surfaces, sometimes characterized by grooves or striations, resulting from movement along a fracture plane.

7.3 Cavities or Voids: Loss of rock due to selective weathering, dissolution or mechanical plucking.

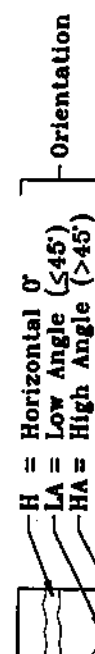
8. Formation Name:

The geologic name of the formation is presented.

9. Rock Discontinuity Classification:

The orientation, degree of opening and weathering of specific discontinuities encountered in the rock are described by the following:

Rock Discontinuity



Extremely Fractured

C = Closed; core pieces fit together tightly; with less than 1/16 inch opening.

S0 = Slight open; 1/16 inch to 1/8 inch opening

0 = Open; >1/8 inch opening

P = Fresh

VS = Very Slight

S = Slight

M = Moderate

MV = Moderately Severe

V = Severe

VV = Very Severe

Note: Except for high angle discontinuities, only those classified as "open" are described on the boring logs.



GZA GeoEnvironmental of New York

**Test Boring Logs and  
Monitoring Well Installation Records  
Prepared by  
GZA GeoEnvironmental of New York**

GZA GEOENVIRONMENTAL OF NEW YORK  
364 NAGEL DRIVE, BUFFALO, NEW YORK

ENGINEERS AND SCIENTISTS

PROJECT  
Stuart-Oliver-Holtz  
Rochester New York

BORING No. OW-1S  
SHEET 1 OF 2  
FILE No. 19078.10  
CHKD. BY

CONTRACTOR Nothnagle Drilling  
DRILLER Steve Lorantz  
GZA GEOENVIRONMENTAL REPRESENTATIVE Dave Belaskas

BORING LOCATION N1123946.72, E751635.30  
GROUND SURFACE ELEVATION 529.0 DATUM NGVD  
START DATE 10/20/94 END DATE 11/1/94

TYPE OF DRILL RIG CME-75

CASING SIZE AND TYPE 6-1/4 inch ID HSA

OVERBURDEN SAMPLING METHOD 2 inch OD x 24 inch long  
split spoon (ASTM 1586)

ROCK DRILLING METHOD

WATER LEVEL DATA

| DATE     | TIME | WATER | CASING | REMARKS             |
|----------|------|-------|--------|---------------------|
| 10/20/94 | 1215 | 23.7  | 24'    | Stabilized 0.5 hrs. |
| 10/20/94 | 1400 | 23    | 24'    | Stabilized 1 hr.    |
| 11/1/94  | 1000 | 9'3"  | 24'    | Stabilized 12 days  |

| DEPTH<br>H | SAMPLE        |     |                |                    |                 | SAMPLE DESCRIPTION                                                                                     | Peak<br>OVM<br>Read<br>(PPM) | EQUIPMENT |                 | NOTES                                                  |
|------------|---------------|-----|----------------|--------------------|-----------------|--------------------------------------------------------------------------------------------------------|------------------------------|-----------|-----------------|--------------------------------------------------------|
|            | BLOWS<br>/ 6" | NO. | DEPTH<br>(FT.) | N-VALUE<br>/RQD(%) | RECOVERY<br>(%) |                                                                                                        |                              | I         | STALLATI<br>LOG |                                                        |
| 1          | 2             | S-1 | 0-2            | 10                 | 50              | Medium Dense, brown, fine to coarse SAND little clayey silt, trace Gravel moist. (with root fragments) | ND                           |           |                 | 6 inch OD protective casing                            |
|            | 4             |     |                |                    |                 |                                                                                                        |                              |           |                 | Concrete surface seal 0 to 2.5 ft.                     |
|            | 6             |     |                |                    |                 |                                                                                                        |                              |           |                 |                                                        |
| 2          | 6             |     |                |                    |                 | same, moist. [FILL] 2.8'                                                                               | ND                           |           |                 |                                                        |
|            | 4             | S-2 | 2-4            | 26                 | 60              |                                                                                                        |                              |           |                 |                                                        |
|            | 8             |     |                |                    |                 |                                                                                                        |                              |           |                 |                                                        |
| 3          | 18            |     |                |                    |                 | Very stiff, brown, SILT & CLAY, little fine Sand, moist.                                               |                              |           |                 | Cement/bentonite grout seal from 2.5 to 9 ft.          |
|            | 28            |     |                |                    |                 |                                                                                                        |                              |           |                 |                                                        |
| 4          | 7             | S-3 | 4-6            | 20                 | 20              | same.                                                                                                  | ND                           |           |                 | 4 inch O.D. flush couple black steel riser 0 to 14 ft. |
|            | 8             |     |                |                    |                 |                                                                                                        |                              |           |                 |                                                        |
| 5          | 12            |     |                |                    |                 |                                                                                                        |                              |           |                 |                                                        |
|            | 14            |     |                |                    |                 | [LACUSTRINE] 6.0'                                                                                      |                              |           |                 |                                                        |
| 6          | 9             | S-4 | 6-8            | 27                 | 70              | Medium Dense, brown, fine to coarse SAND, little clayey Silt, trace Gravel, moist.                     | NS                           |           |                 |                                                        |
|            | 10            |     |                |                    |                 |                                                                                                        |                              |           |                 |                                                        |
| 7          | 17            |     |                |                    |                 |                                                                                                        |                              |           |                 |                                                        |
|            | 20            |     |                |                    |                 | [UPPER TILL]                                                                                           |                              |           |                 |                                                        |
| 8          | 6             | S-5 | 8-10           | 28                 | 80              | Same.                                                                                                  | ND                           |           |                 |                                                        |
|            | 12            |     |                |                    |                 |                                                                                                        |                              |           |                 |                                                        |
| 9          | 16            |     |                |                    |                 |                                                                                                        |                              |           |                 |                                                        |
|            | 20            |     |                |                    |                 |                                                                                                        |                              |           |                 | Bentonite pellet seal from 9 to 12 ft.                 |
| 10         | 6             | S-6 | 10-12          | 46                 | 80              | Same, dense, moist to wet.                                                                             | ND                           |           |                 |                                                        |
|            | 18            |     |                |                    |                 |                                                                                                        |                              |           |                 |                                                        |
| 11         | 28            |     |                |                    |                 |                                                                                                        |                              |           |                 |                                                        |
|            | 34            |     |                |                    |                 |                                                                                                        |                              |           |                 |                                                        |
| 12         | 13            | S-7 | 12-14          | 64                 | 75              | Same, very dense.                                                                                      | 1                            |           |                 | No.00 size sand filter pack from 12 to 24.5 ft.        |
|            | 27            |     |                |                    |                 |                                                                                                        |                              |           |                 |                                                        |
| 13         | 37            |     |                |                    |                 | [UPPER TILL]                                                                                           |                              |           |                 |                                                        |
|            | 56            |     |                |                    |                 |                                                                                                        |                              |           |                 |                                                        |
| 14         | 9             | S-8 | 14-16          | 44                 | 80              | grades dense to some Silt, wet.                                                                        | 1                            |           |                 |                                                        |
|            | 20            |     |                |                    |                 |                                                                                                        |                              |           |                 |                                                        |
| 15         | 24            |     |                |                    |                 |                                                                                                        |                              |           |                 |                                                        |
|            | 26            |     |                |                    |                 |                                                                                                        |                              |           |                 |                                                        |
| 16         | 9             | S-9 | 16-18          | 49                 | 75              | grades to dense, gray, fine to coarse SAND                                                             |                              |           |                 |                                                        |

LEGEND  
S - Split Spoon Soil Sample  
U - Undisturbed Soil Sample  
C - Rock Core Sample

NOTES: Organic Vapor Meter (OVM) reading of headspace using H-Nu P1-101 photoionization detector.  
ND-not detected above 1 ppm.  
NS-No Sample.

GENERAL 1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.  
NOTES: 2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER MAY OCCUR DUE TO OTHER FACTORS THAN THOSE PRESENT AT THE TIME MEASUREMENTS WERE MADE.

GZA

BORING No. OW-1S

GZA GEOENVIRONMENTAL OF NEW YORK  
364 NAGEL DRIVE, BUFFALO, NEW YORK

ENGINEERS AND SCIENTISTS

PROJECT  
Stuart-Oliver-Holtz  
Rochester, New York

BORING No. OW-1S  
SHEET 2 OF 2  
FILE No. 19078.10  
CHKD. BY

| DEPTH | SAMPLE     |      |             |                   |             | SAMPLE DESCRIPTION                                                            | Peak OVM Read (PPM) | EQUIPMENT    |     | NOTES                                                       |
|-------|------------|------|-------------|-------------------|-------------|-------------------------------------------------------------------------------|---------------------|--------------|-----|-------------------------------------------------------------|
|       | BLOWS / 6" | NO.  | DEPTH (FT.) | N-VALUE / RQD (%) | RECOVER (%) |                                                                               |                     | INSTALLATION | LOG |                                                             |
| 17    | 29         |      |             |                   |             | same Clayey Silt, moist.                                                      | ND                  |              |     |                                                             |
|       | 20         |      |             |                   |             |                                                                               |                     |              |     |                                                             |
|       | 28         |      |             |                   |             |                                                                               |                     |              |     |                                                             |
| 18    | 6          | S-10 | 18-20       | 9                 | 80          | same, medium dense, moist to wet.                                             | 1                   |              |     | No. 10 slot stainless steel well screen from 14 to 23.5 ft. |
|       | 6          |      |             |                   |             |                                                                               |                     |              |     |                                                             |
|       | 3          |      |             |                   |             |                                                                               |                     |              |     |                                                             |
| 19    | 9          |      |             |                   |             |                                                                               |                     |              |     |                                                             |
| 20    | 3          | S-11 | 20-22       | 10                | 80          | [UPPER TILL]                                                                  | ND                  |              |     |                                                             |
|       | 4          |      |             |                   |             | Medium dense, grey, medium to coarse SAND, trace Gravel, wet.                 |                     |              |     |                                                             |
|       | 6          |      |             |                   |             | (SAND STRATUM 20.2 to 22.8 ft.)                                               |                     |              |     |                                                             |
|       | 10         |      |             |                   |             |                                                                               |                     |              |     |                                                             |
| 22    | 17         | S-12 | 22-24       | >100              | 80          | [UPPER TILL]                                                                  | ND                  |              |     |                                                             |
|       | 60         |      |             |                   |             |                                                                               |                     |              |     |                                                             |
| 23    | 100/1*     |      |             |                   |             | Very dense, grey, fine to coarse SAND, some Clayey Silt, trace Gravel, moist. | 22.8 ft.            |              |     |                                                             |
| 24    | 100/2*     | S-13 | 24-24.2     | >100              | NR          |                                                                               | ND                  |              |     | Stainless Steel Sump from 23.5 to 24.0 ft.                  |
|       |            |      |             |                   |             | [LOWER TILL]                                                                  |                     |              |     |                                                             |
| 25    |            |      |             |                   |             |                                                                               |                     |              |     |                                                             |
| 26    | 21         | S-14 | 26-27.4     | >100              | 85          | grades to some Silt & Clay, moist.                                            | ND                  |              |     |                                                             |
|       | 64         |      |             |                   |             |                                                                               |                     |              |     |                                                             |
| 27    | 100/5*     |      |             |                   |             |                                                                               |                     |              |     |                                                             |
| 28    | 100/6*     | S-15 | 28-28.5     | >100              | 90          | same, moist.                                                                  | ND                  |              |     |                                                             |
| 29    |            |      |             |                   |             |                                                                               |                     |              |     |                                                             |
| 30    | 40         | S-16 | 30-31.3     | >100              | 100         | same, moist.                                                                  | ND                  |              |     |                                                             |
|       | 55         |      |             |                   |             |                                                                               |                     |              |     |                                                             |
| 31    | 100/3*     |      |             |                   |             |                                                                               |                     |              |     | Bentonite pellet seal from 30 to 35 ft.                     |
| 32    | 51         | S-17 | 32-32.8     | >100              | 100         | same.                                                                         | ND                  |              |     |                                                             |
|       | 100/3*     |      |             |                   |             |                                                                               |                     |              |     |                                                             |
| 33    |            |      |             |                   |             | [LOWER TILL]                                                                  |                     |              |     |                                                             |
|       |            |      |             |                   |             |                                                                               |                     |              |     |                                                             |
| 34    | 18         | S-18 | 34-35       | >100              | 100         | Green weathered rock fragments, moist.                                        | ND                  |              |     |                                                             |
|       | 100/6*     |      |             |                   |             | SEVERELY WEATHERED BEDROCK                                                    |                     |              |     |                                                             |
| 35    |            |      |             |                   |             | Bottom of Boring at 35.0 ft.                                                  |                     |              |     |                                                             |
| 36    |            |      |             |                   |             |                                                                               |                     |              |     |                                                             |

LEGEND

S - Split Spoon Soil Sample  
U - Undisturbed Soil Sample  
C - Rock Core Sample

NOTES: Organic Vapor Meter (OVM) reading of headspace H-NU P1-101 photoionization detector.  
ND-not detected above 1 ppm.  
NS - No Sample.

GENERAL 1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.  
NOTES: 2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER MAY OCCUR DUE TO OTHER FACTORS THAN THOSE PRESENT AT THE TIME MEASUREMENTS WERE MADE.

GZA

BORING No. OW-1S

GZA GEOENVIRONMENTAL OF NEW YORK  
364 MAGEL DRIVE, BUFFALO, NEW YORK  
ENGINEERS AND SCIENTISTS

PROJECT  
Stuart-Oliver-Holtz  
Rochester, New York

BORING No. OW-1R  
SHEET 1 OF 3  
FILE No. 19078.10  
CHKD. BY

CONTRACTOR Nothnagle Drilling  
DRILLER Steve Lorantz  
GZA GEOENVIRONMENTAL REPRESENTATIVE Dave Belaskas

BORING LOCATION N1123937.21 E751630.42  
GROUND SURFACE ELEVATION 529.2 DATUM NGVD  
START DATE 10/25/94 END DATE 11/08/94

TYPE OF DRILL RIG CME-75

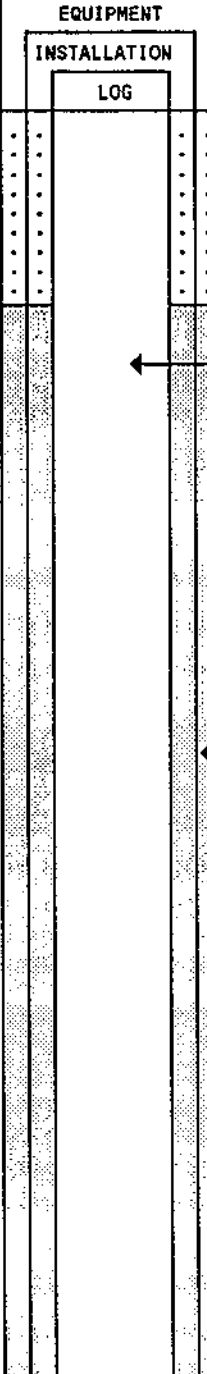
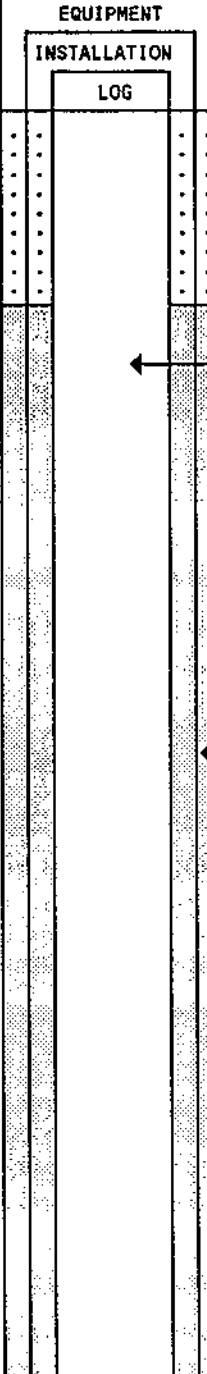
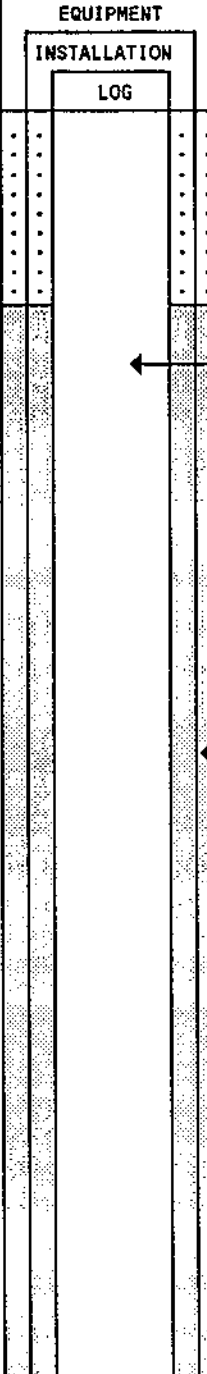
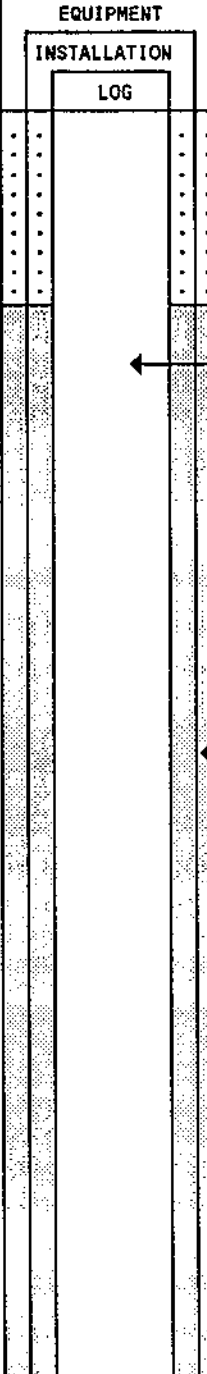
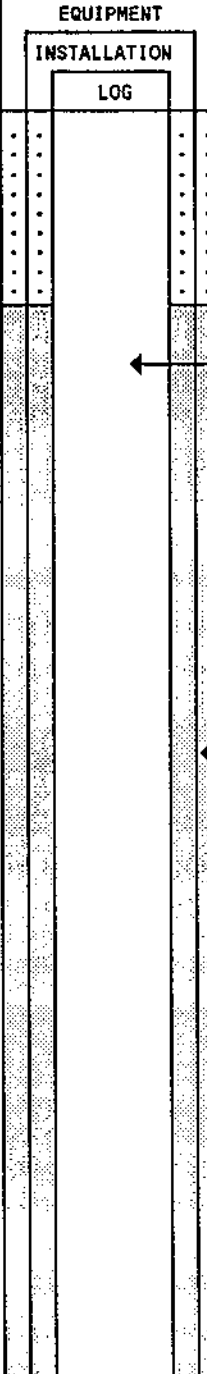
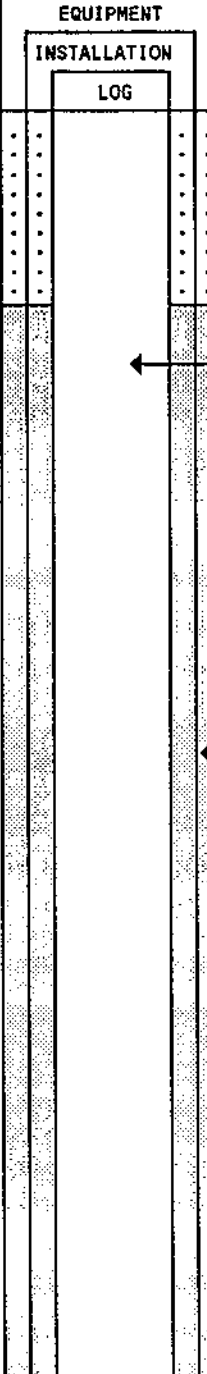
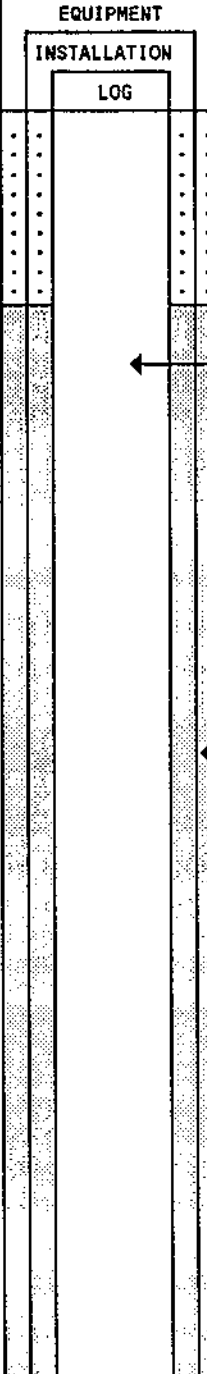
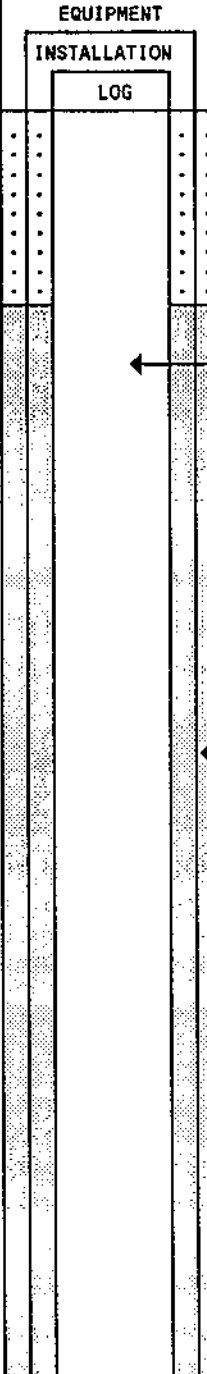
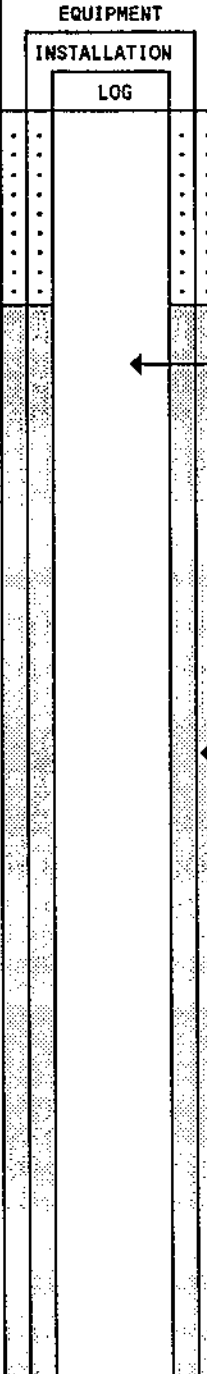
CASING SIZE AND TYPE 2-1/4 inch Hollow Stem Augers

OVERBURDEN SAMPLING METHOD 2 inch O.D. x 24" long split spoon

ROCK DRILLING METHOD NX Rock Core

WATER LEVEL DATA

| DATE     | TIME | WATER | CASING | REMARKS             |
|----------|------|-------|--------|---------------------|
| 10/25/94 | 1330 | Dry   | 26'    | Stabilized 15 mins. |
|          |      |       |        |                     |
|          |      |       |        |                     |

| DEPTH | SAMPLE     |     |             |                   |              | SAMPLE DESCRIPTION                                                                                                                    | Peak OVM Read (ppm) | EQUIPMENT                                                                            |                                               | NOTES |
|-------|------------|-----|-------------|-------------------|--------------|---------------------------------------------------------------------------------------------------------------------------------------|---------------------|--------------------------------------------------------------------------------------|-----------------------------------------------|-------|
|       | BLOWS / 6" | NO. | DEPTH (FT.) | N-VALUE / RQD (%) | RECOVERY (%) |                                                                                                                                       |                     | INSTALLATION                                                                         |                                               |       |
|       |            |     |             |                   |              |                                                                                                                                       |                     | LOG                                                                                  |                                               |       |
| 1     | 2          | S-1 | 0-2         | 18                | 50           | Medium Dense, brown SAND, little clayey Silt, trace Gravel, moist, with root fragments.<br><br>[FILL] 2.3'                            | ND                  |  | Concrete surface seal from 0-2.5 ft.          |       |
|       | 9          |     |             |                   |              |                                                                                                                                       |                     |                                                                                      |                                               |       |
|       | 9          |     |             |                   |              |                                                                                                                                       |                     |                                                                                      |                                               |       |
|       | 9          |     |             |                   |              |                                                                                                                                       |                     |                                                                                      |                                               |       |
| 2     | 5          | S-2 | 2-4         | 18                | 60           | Very stiff, brown, SILT & CLAY, little fine to coarse Sand, moist.<br><br>[LACUSTRINE]<br><br>same.<br><br>[LACUSTRINE] 6.0'          | ND                  |  | 4 inch black steel riser pipe from 0-35.5 ft. |       |
|       | 5          |     |             |                   |              |                                                                                                                                       |                     |                                                                                      |                                               |       |
|       | 13         |     |             |                   |              |                                                                                                                                       |                     |                                                                                      |                                               |       |
|       | 13         |     |             |                   |              |                                                                                                                                       |                     |                                                                                      |                                               |       |
| 3     | 4          | S-3 | 4-6         | 30                | 10           | same, moist.                                                                                                                          | ND                  |  | cement/bentonite grout seal from 2.5-30.5 ft. |       |
|       | 15         |     |             |                   |              |                                                                                                                                       |                     |                                                                                      |                                               |       |
|       | 15         |     |             |                   |              |                                                                                                                                       |                     |                                                                                      |                                               |       |
|       | 19         |     |             |                   |              |                                                                                                                                       |                     |                                                                                      |                                               |       |
| 4     | 6          | S-4 | 6-8         | 32                | 80           | Medium Dense, brown, fine to coarse SAND, little Clayey Silt, trace Gravel, moist to wet.<br><br>[UPPER TILL]<br><br>grades to Dense. | ND                  |  | cement/bentonite grout seal from 2.5-30.5 ft. |       |
|       | 14         |     |             |                   |              |                                                                                                                                       |                     |                                                                                      |                                               |       |
|       | 18         |     |             |                   |              |                                                                                                                                       |                     |                                                                                      |                                               |       |
|       | 14         |     |             |                   |              |                                                                                                                                       |                     |                                                                                      |                                               |       |
| 5     | 6          | S-5 | 8-10        | 44                | 85           | same, moist.                                                                                                                          | ND                  |  | cement/bentonite grout seal from 2.5-30.5 ft. |       |
|       | 10         |     |             |                   |              |                                                                                                                                       |                     |                                                                                      |                                               |       |
|       | 34         |     |             |                   |              |                                                                                                                                       |                     |                                                                                      |                                               |       |
|       | 10         |     |             |                   |              |                                                                                                                                       |                     |                                                                                      |                                               |       |
| 6     | 11         | S-6 | 10-12       | 35                | 90           | same, grades to very dense, moist.                                                                                                    | ND                  |  | cement/bentonite grout seal from 2.5-30.5 ft. |       |
|       | 17         |     |             |                   |              |                                                                                                                                       |                     |                                                                                      |                                               |       |
|       | 18         |     |             |                   |              |                                                                                                                                       |                     |                                                                                      |                                               |       |
|       | 18         |     |             |                   |              |                                                                                                                                       |                     |                                                                                      |                                               |       |
| 7     | 23         | S-7 | 12-13.5     | <100              | 75           | grades to trace Clayey Silt, moist to wet.<br><br>[UPPER TILL]                                                                        | ND                  |  | cement/bentonite grout seal from 2.5-30.5 ft. |       |
|       | 64         |     |             |                   |              |                                                                                                                                       |                     |                                                                                      |                                               |       |
|       | 100/64     |     |             |                   |              |                                                                                                                                       |                     |                                                                                      |                                               |       |
|       |            |     |             |                   |              |                                                                                                                                       |                     |                                                                                      |                                               |       |
| 8     | 16         | S-8 | 14-15.8     | 85                | 100          | [UPPER TILL]                                                                                                                          | ND                  |  | cement/bentonite grout seal from 2.5-30.5 ft. |       |
|       | 38         |     |             |                   |              |                                                                                                                                       |                     |                                                                                      |                                               |       |
|       | 47         |     |             |                   |              |                                                                                                                                       |                     |                                                                                      |                                               |       |
|       | 100/1      |     |             |                   |              |                                                                                                                                       |                     |                                                                                      |                                               |       |
| 9     | 16         | S-9 | 16-17.3     | <100              | 100          |                                                                                                                                       |                     |  | cement/bentonite grout seal from 2.5-30.5 ft. |       |
|       |            |     |             |                   |              |                                                                                                                                       |                     |                                                                                      |                                               |       |

LEGEND

S - Split Spoon Soil Sample  
U - Undisturbed Soil Sample  
C - Rock Core Sample

NOTES: Organic Vapor Meter (OVM) reading of headspace using H-Nu PI-101 photoionization detector.  
ND-not detected above 1 ppm.

GENERAL 1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.  
NOTES: 2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER MAY OCCUR DUE TO OTHER FACTORS THAN THOSE PRESENT AT THE TIME MEASUREMENTS WERE MADE.

GZA

BORING No. OW-1R

GZA GEOENVIRONMENTAL OF NEW YORK  
364 NAGEL DRIVE, BUFFALO, NEW YORK  
ENGINEERS AND SCIENTISTS

PROJECT  
Stuart-Oliver-Holtz  
Rochester, New York

BORING No. OW-1R  
SHEET 2 OF 3  
FILE No. 19078.10  
CHKD. BY

| DEPTH<br>H | SAMPLE        |      |                |                    |                 | SAMPLE DESCRIPTION                                                                                          | Peak<br>OVM<br>Read<br>(PPM) | EQUIPMENT    |     | NOTES                                                                                                                                                                    |
|------------|---------------|------|----------------|--------------------|-----------------|-------------------------------------------------------------------------------------------------------------|------------------------------|--------------|-----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|            | BLOWS<br>/ 6" | NO.  | DEPTH<br>(FT.) | N-VALUE<br>/RQD(%) | RECOVERY<br>(%) |                                                                                                             |                              | INSTALLATION | LOG |                                                                                                                                                                          |
| 17         | 48            |      |                |                    |                 | Very dense, gray, fine to coarse SAND, some Clayey Silt, moist.<br>[UPPER TILL]                             | ND                           |              |     | <div>4 inch black steel riser pipe from 0-35.5 ft.</div> <div>Bentonite pellet seal from 30.5-33.5 ft.</div> <div>No. 00 size sand filter pack from 33.5 to 42 ft.</div> |
|            | 100/4         |      |                |                    |                 |                                                                                                             |                              |              |     |                                                                                                                                                                          |
| 18         | 54            | S-10 | 18-18.9        | <100               | 100             |                                                                                                             | same.                        | ND           |     |                                                                                                                                                                          |
|            | 100/5         |      |                |                    |                 |                                                                                                             |                              |              |     |                                                                                                                                                                          |
| 19         |               |      |                |                    |                 |                                                                                                             |                              |              |     |                                                                                                                                                                          |
| 20         | 7             | S-11 | 20-22          | 36                 | 70              | Dense, Grey, fine to coarse SAND, trace Gravel, wet.<br>[UPPER TILL]<br><br>(SAND STRATUM 19.6 to 23.7 ft.) | 1                            |              |     |                                                                                                                                                                          |
|            | 17            |      |                |                    |                 |                                                                                                             |                              |              |     |                                                                                                                                                                          |
| 21         | 19            |      |                |                    |                 |                                                                                                             |                              |              |     |                                                                                                                                                                          |
|            | 24            |      |                |                    |                 |                                                                                                             |                              |              |     |                                                                                                                                                                          |
| 22         | 10            | S-12 | 22-24          | 23                 | 75              | same.                                                                                                       | ND                           |              |     |                                                                                                                                                                          |
|            | 11            |      |                |                    |                 |                                                                                                             |                              |              |     |                                                                                                                                                                          |
| 23         | 12            |      |                |                    |                 | [UPPER TILL] 23.7                                                                                           |                              |              |     |                                                                                                                                                                          |
|            | 48            |      |                |                    |                 |                                                                                                             |                              |              |     |                                                                                                                                                                          |
| 24         | 58            | S-13 | 24-24.8        | <100               | 100             | Very dense, Grey, fine to coarse SAND, some clay & silt, trace gravel, moist.<br>[LOWER TILL]               | ND                           |              |     |                                                                                                                                                                          |
|            | 100/4         |      |                |                    |                 |                                                                                                             |                              |              |     |                                                                                                                                                                          |
| 25         |               |      |                |                    |                 |                                                                                                             |                              |              |     |                                                                                                                                                                          |
| 26         | 24            | S-14 | 26-27.2        | <100               | 90              | same.                                                                                                       | ND                           |              |     |                                                                                                                                                                          |
|            | 62            |      |                |                    |                 |                                                                                                             |                              |              |     |                                                                                                                                                                          |
| 27         | 100/2         |      |                |                    |                 |                                                                                                             |                              |              |     |                                                                                                                                                                          |
| 28         | 40            | S-15 | 28-29          | >100               | 100             | same, moist.                                                                                                | ND                           |              |     |                                                                                                                                                                          |
|            | 100/6         |      |                |                    |                 | [LOWER TILL]                                                                                                |                              |              |     |                                                                                                                                                                          |
| 29         |               |      |                |                    |                 |                                                                                                             |                              |              |     |                                                                                                                                                                          |
| 30         | 25            | S-16 | 30-31.4        | >100               | 100             | same, with medium to coarse SAND seam from 30.4 to 30.6 ft., moist.                                         |                              |              |     |                                                                                                                                                                          |
|            | 55            |      |                |                    |                 |                                                                                                             |                              |              |     |                                                                                                                                                                          |
| 31         | 100/5         |      |                |                    |                 |                                                                                                             |                              |              |     |                                                                                                                                                                          |
| 32         | 18            | S-17 | 32-33.5        | >100               | 100             | same, moist.                                                                                                | ND                           |              |     |                                                                                                                                                                          |
|            | 32            |      |                |                    |                 |                                                                                                             |                              |              |     |                                                                                                                                                                          |
| 33         | 100/6         |      |                |                    |                 |                                                                                                             |                              |              |     |                                                                                                                                                                          |
| 34         | 52            | S-18 | 34-34.9        | >100               | 100             | same, moist.<br>.. and clayey SILT                                                                          | ND                           |              |     |                                                                                                                                                                          |
|            | 100/5         |      |                |                    |                 | [LOWER TILL]                                                                                                |                              |              |     |                                                                                                                                                                          |
| 35         |               |      |                |                    |                 |                                                                                                             |                              |              |     |                                                                                                                                                                          |
| 36         | 45            | S-19 | 36-37          | >100               | 100             | same, some Clayey SILT, moist.                                                                              | ND                           |              |     |                                                                                                                                                                          |

← 4 inch black steel riser pipe from 0-35.5 ft.

← Bentonite pellet seal from 30.5-33.5 ft.

← No. 00 size sand filter pack from 33.5 to 42 ft.

LEGEND

S - Split Spoon Soil Sample  
U - Undisturbed Soil Sample  
C - Rock Core Sample

NOTES:

Organic Vapor Meter (OVM) reading of headspace using H-NU PI-101 photoionization detector.  
ND-not detected above 1 ppm.

GENERAL 1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.  
NOTES: 2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER MAY OCCUR DUE TO OTHER FACTORS THAN THOSE PRESENT AT THE TIME MEASUREMENTS WERE MADE.

GZA

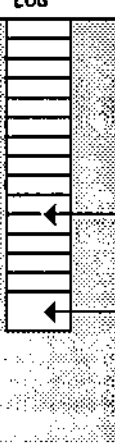
BORING No. OW-1R



GZA GEOENVIRONMENTAL OF NEW YORK  
364 NAGEL DRIVE, BUFFALO, NEW YORK  
ENGINEERS AND SCIENTISTS

PROJECT  
Stuart-Oliver-Holtz  
Rochester, New York

BORING No. OW-1R  
SHEET 5 OF 3  
FILE No. T9078.10  
CHKD. BY

| DEPTH | SAMPLE        |      |                |                    |                 | SAMPLE DESCRIPTION                                                                                                           | PEAK<br>OVM<br>READ<br>(PPM) | EQUIPMENT                                                                           |     | NOTES |
|-------|---------------|------|----------------|--------------------|-----------------|------------------------------------------------------------------------------------------------------------------------------|------------------------------|-------------------------------------------------------------------------------------|-----|-------|
|       | BLOWS<br>/ 6" | NO.  | DEPTH<br>(FT.) | N-VALUE<br>/RQD(%) | RECOVERY<br>(%) |                                                                                                                              |                              | INSTALLATION                                                                        | LOG |       |
| 37    | 100/6         |      |                |                    |                 | same. [LOWER TILL] 36.9'                                                                                                     | ND                           |  |     |       |
|       |               |      |                |                    |                 | weathered rock fragments<br>[SEVERELY WEATHERED BEDROCK]                                                                     |                              |                                                                                     |     |       |
| 38    | 100/2         | s-20 | 38-38.2        | >100               | 100             | green and red-brown,<br>weathered rock fragments,<br>moist.                                                                  |                              |                                                                                     |     |       |
|       |               | C1   | 38-42 ft.      |                    |                 | Green, weathered rock<br>fragments.<br>Green to brown, CLAY &<br>SILT, little gravel,<br>weathered rock fragments,<br>moist. |                              |                                                                                     |     |       |
| 39    |               |      |                |                    |                 |                                                                                                                              |                              |                                                                                     |     |       |
| 40    |               |      |                |                    |                 |                                                                                                                              |                              |                                                                                     |     |       |
| 41    |               |      |                |                    |                 |                                                                                                                              |                              |                                                                                     |     |       |
| 42    |               |      |                |                    |                 |                                                                                                                              |                              |                                                                                     |     |       |
|       |               |      |                |                    |                 | Bottom of Boring at 42'.                                                                                                     |                              |                                                                                     |     |       |
|       |               |      |                |                    |                 | NOTE: the R.Q.D. for the<br>rock core (C1) is<br>zero percent.                                                               |                              |                                                                                     |     |       |

LEGEND  
S - Split Spoon Soil Sample  
U - Undisturbed Soil Sample  
C - Rock Core Sample

NOTES: Organic Vapor Meter (OVM) reading of headspace using H-NU PI-101  
photoionization detector.  
ND-not detected above 1 ppm.  
C1 = Cored Severely Weathered Bedrock 38-42 feet.

GENERAL 1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.  
NOTES: 2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER  
MAY OCCUR DUE TO OTHER FACTORS THAN THOSE PRESENT AT THE TIME MEASUREMENTS WERE MADE.

GZA

BORING No. OW-1R

GZA GEOENVIRONMENTAL OF NEW YORK  
364 NAGEL DRIVE, BUFFALO, NEW YORK  
ENGINEERS AND SCIENTISTS

PROJECT  
Stuart-Oliver-Holtz  
Rochester, New York

BORING No. OW-2S  
SHEET 1 OF 2  
FILE No. 19078.10  
CHKD. BY

CONTRACTOR Nothnagle Drilling  
DRILLER Steve Lorantz  
GZA GEOENVIRONMENTAL REPRESENTATIVE Dave Belaskas

BORING LOCATION N1123571.07 E751474.99  
GROUND SURFACE ELEVATION 531.8 DATUM NGVD  
START DATE 11/10/94 END DATE 11/11/94

TYPE OF DRILL RIG CME-75  
CASING SIZE AND TYPE 6-1/4 inch Hollow Stem Augers  
OVERBURDEN SAMPLING METHOD 2 inch O.D. x 24" long split spoon  
ROCK DRILLING METHOD

WATER LEVEL DATA

| DATE     | TIME | WATER | CASING | REMARKS            |
|----------|------|-------|--------|--------------------|
| 11/11/94 | 0810 | 8.2'  | 16'    | Stabilized 16 hrs. |
|          |      |       |        |                    |
|          |      |       |        |                    |

| DEPTH | SAMPLE     |     |             |                  |              | SAMPLE DESCRIPTION                                                 | Peak OVM Read (ppm) | EQUIPMENT |              | NOTES                                                |
|-------|------------|-----|-------------|------------------|--------------|--------------------------------------------------------------------|---------------------|-----------|--------------|------------------------------------------------------|
|       | BLOWS / 6" | NO. | DEPTH (FT.) | N-VALUE / ROD(%) | RECOVERY (%) |                                                                    |                     | I         | STALLATI LOG |                                                      |
| 1     |            |     |             |                  |              | See OW-2R log for overburden soil descriptions from 0.0 - 10.0 ft. |                     |           |              | 6 inch OD protective casing                          |
| 2     |            |     |             |                  |              |                                                                    |                     |           |              | Concrete surface seal to 2.5 ft.                     |
| 3     |            |     |             |                  |              |                                                                    |                     |           |              | Cement/bentonite grout from 2.5 to 11 ft.            |
| 4     |            |     |             |                  |              |                                                                    |                     |           |              |                                                      |
| 5     |            |     |             |                  |              |                                                                    |                     |           |              | 4 inch O.D. flush couple black steel riser to 11 ft. |
| 6     |            |     |             |                  |              |                                                                    |                     |           |              |                                                      |
| 7     |            |     |             |                  |              |                                                                    |                     |           |              |                                                      |
| 8     |            |     |             |                  |              |                                                                    |                     |           |              |                                                      |
| 9     |            |     |             |                  |              | [FILL]                                                             |                     |           |              |                                                      |
| 10    |            |     |             |                  |              | Advanced augers to 10.0 ft. without sampling. 10.0'                |                     |           |              |                                                      |
| 11    | 4          | S-1 | 10-12       | 47               | 100          | Dense, brown, fine to coarse SAND, trace Gravel, wet.              | ND                  |           |              |                                                      |
|       | 18         |     |             |                  |              |                                                                    |                     |           |              |                                                      |
|       | 29         |     |             |                  |              | [UPPER TILL]                                                       |                     |           |              |                                                      |
|       | 46         |     |             |                  |              |                                                                    |                     |           |              | Bentonite pellet seal from 11 to 14 ft.              |
| 12    | 27         | S-2 | 12-14       | 99               | 100          | Same, wet.                                                         | ND                  |           |              |                                                      |
|       | 35         |     |             |                  |              |                                                                    |                     |           |              |                                                      |
| 13    | 64         |     |             |                  |              |                                                                    |                     |           |              |                                                      |
|       | 64         |     |             |                  |              |                                                                    |                     |           |              |                                                      |
| 14    | 15         | S-3 | 14-16       | 94               | 100          | Grades to some Clayey SILT, moist.                                 | ND                  |           |              |                                                      |
|       | 28         |     |             |                  |              |                                                                    |                     |           |              | No.00 size filter pack from 14 ft. to 21.5 ft.       |
|       | 66         |     |             |                  |              | [UPPER TILL]                                                       |                     |           |              |                                                      |
|       | 84         |     |             |                  |              |                                                                    |                     |           |              |                                                      |
| 16    | 8          | S-4 | 16-18       | >100             | 100          | Grey, very dense, fine to medium SAND.                             | 16.0 ft. ND         |           |              |                                                      |

LEGEND

S - Split Spoon Soil Sample  
U - Undisturbed Soil Sample  
C - Rock Core Sample

NOTES: Organic Vapor Meter (OVM) reading of headspace using R-Nu PI-101 photoionization detector.  
ND-not detected above 1 ppm.

GENERAL 1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.  
NOTES: 2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER MAY OCCUR DUE TO OTHER FACTORS THAN THOSE PRESENT AT THE TIME MEASUREMENTS WERE MADE.

GZA

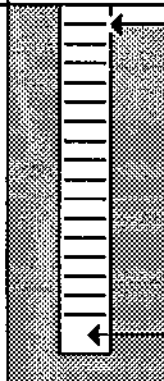
BORING No. OW-2S

GZA GEOENVIRONMENTAL OF NEW YORK  
364 NAGEL DRIVE, BUFFALO, NEW YORK

ENGINEERS AND SCIENTISTS

PROJECT  
Stuart-Oliver-Holtz  
Rochester, New York

BORING No. OW-2S  
SHEET 2 OF 2  
FILE No. 19078.10  
CHKD. BY

| DEPTH | SAMPLE        |     |                |                    |                 | SAMPLE DESCRIPTION                                                                                                   | Peak<br>OVM<br>Read<br>(PPM) | EQUIPMENT<br>INSTALLATION<br>LOG                                                    |                                                             | NOTES |  |  |  |  |
|-------|---------------|-----|----------------|--------------------|-----------------|----------------------------------------------------------------------------------------------------------------------|------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------|-------|--|--|--|--|
|       | BLOWS<br>/ 6" | NO. | DEPTH<br>(FT.) | N-VALUE<br>/RQD(%) | RECOVERY<br>(%) |                                                                                                                      |                              |                                                                                     |                                                             |       |  |  |  |  |
| 17    | 24            |     |                |                    |                 | (Sand stratum 16.0 to 21.5 ft.)<br><br>Very dense, grey, fine to coarse SAND, some clayey Silt, trace Gravel, moist. | ND                           |  | No. 10 slot stainless steel well screen from 16 to 20.5 ft. |       |  |  |  |  |
|       | 38            |     |                |                    |                 |                                                                                                                      |                              |                                                                                     |                                                             |       |  |  |  |  |
|       | 64            |     |                |                    |                 |                                                                                                                      |                              |                                                                                     |                                                             |       |  |  |  |  |
| 18    | 24            | S-5 | 18-19          | >100               | 100             |                                                                                                                      | ND                           |                                                                                     |                                                             |       |  |  |  |  |
| 19    | 100/6         |     |                |                    |                 |                                                                                                                      |                              |                                                                                     |                                                             |       |  |  |  |  |
|       |               |     |                |                    |                 |                                                                                                                      |                              |                                                                                     |                                                             |       |  |  |  |  |
| 20    | 65            | S-6 | 20-20.2        | >100               | 100             |                                                                                                                      | ND                           |                                                                                     |                                                             |       |  |  |  |  |
| 21    | 100/2         |     |                |                    |                 |                                                                                                                      |                              |                                                                                     |                                                             |       |  |  |  |  |
|       |               |     |                |                    |                 | [UPPER TILL]                                                                                                         |                              |                                                                                     |                                                             |       |  |  |  |  |
| 22    |               |     |                |                    |                 | Bottom of Boring at 21.5'                                                                                            |                              |                                                                                     |                                                             |       |  |  |  |  |
|       |               |     |                |                    |                 |                                                                                                                      |                              |                                                                                     |                                                             |       |  |  |  |  |
| 23    |               |     |                |                    |                 |                                                                                                                      |                              |                                                                                     |                                                             |       |  |  |  |  |
|       |               |     |                |                    |                 |                                                                                                                      |                              |                                                                                     |                                                             |       |  |  |  |  |
| 24    |               |     |                |                    |                 |                                                                                                                      |                              |                                                                                     |                                                             |       |  |  |  |  |
|       |               |     |                |                    |                 |                                                                                                                      |                              |                                                                                     |                                                             |       |  |  |  |  |
| 25    |               |     |                |                    |                 |                                                                                                                      |                              |                                                                                     |                                                             |       |  |  |  |  |
|       |               |     |                |                    |                 |                                                                                                                      |                              |                                                                                     |                                                             |       |  |  |  |  |
| 26    |               |     |                |                    |                 |                                                                                                                      |                              |                                                                                     |                                                             |       |  |  |  |  |
|       |               |     |                |                    |                 |                                                                                                                      |                              |                                                                                     |                                                             |       |  |  |  |  |
| 27    |               |     |                |                    |                 |                                                                                                                      |                              |                                                                                     |                                                             |       |  |  |  |  |
|       |               |     |                |                    |                 |                                                                                                                      |                              |                                                                                     |                                                             |       |  |  |  |  |
| 28    |               |     |                |                    |                 |                                                                                                                      |                              |                                                                                     |                                                             |       |  |  |  |  |
|       |               |     |                |                    |                 |                                                                                                                      |                              |                                                                                     |                                                             |       |  |  |  |  |
| 29    |               |     |                |                    |                 |                                                                                                                      |                              |                                                                                     |                                                             |       |  |  |  |  |
|       |               |     |                |                    |                 |                                                                                                                      |                              |                                                                                     |                                                             |       |  |  |  |  |
| 30    |               |     |                |                    |                 |                                                                                                                      |                              |                                                                                     |                                                             |       |  |  |  |  |
|       |               |     |                |                    |                 |                                                                                                                      |                              |                                                                                     |                                                             |       |  |  |  |  |
| 31    |               |     |                |                    |                 |                                                                                                                      |                              |                                                                                     |                                                             |       |  |  |  |  |
|       |               |     |                |                    |                 |                                                                                                                      |                              |                                                                                     |                                                             |       |  |  |  |  |
| 32    |               |     |                |                    |                 |                                                                                                                      |                              |                                                                                     |                                                             |       |  |  |  |  |
|       |               |     |                |                    |                 |                                                                                                                      |                              |                                                                                     |                                                             |       |  |  |  |  |
| 33    |               |     |                |                    |                 |                                                                                                                      |                              |                                                                                     |                                                             |       |  |  |  |  |
|       |               |     |                |                    |                 |                                                                                                                      |                              |                                                                                     |                                                             |       |  |  |  |  |
| 34    |               |     |                |                    |                 |                                                                                                                      |                              |                                                                                     |                                                             |       |  |  |  |  |
|       |               |     |                |                    |                 |                                                                                                                      |                              |                                                                                     |                                                             |       |  |  |  |  |
| 35    |               |     |                |                    |                 |                                                                                                                      |                              |                                                                                     |                                                             |       |  |  |  |  |
|       |               |     |                |                    |                 |                                                                                                                      |                              |                                                                                     |                                                             |       |  |  |  |  |
| 36    |               |     |                |                    |                 |                                                                                                                      |                              |                                                                                     |                                                             |       |  |  |  |  |

LEGEND

S - Split Spoon Soil Sample  
U - Undisturbed Soil Sample  
C - Rock Core Sample

NOTES:

Organic Vapor Meter (OVM) reading of headspace using M-NU PI-101 photoionization detector.  
ND-not detected above 1 ppm.

GENERAL 1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES. TRANSITIONS MAY BE GRADUAL.  
NOTES: 2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER MAY OCCUR DUE TO OTHER FACTORS THAN THOSE PRESENT AT THE TIME MEASUREMENTS WERE MADE.

GZA

BORING No. OW-2S

GZA GEOENVIRONMENTAL OF NEW YORK  
364 NAGEL DRIVE, BUFFALO, NEW YORK  
ENGINEERS AND SCIENTISTS

PROJECT  
Stuart-Oliver-Holtz  
Rochester, New York

BORING No. OW-2R  
SHEET 1 OF 3  
FILE No. 19078.10  
CHKD. BY

CONTRACTOR Nothnagle Drilling  
DRILLER Steve Lorantz  
GZA GEOENVIRONMENTAL REPRESENTATIVE Dave Belaskas

BORING LOCATION N1123568.93 E751481.53 (NYSDC)  
GROUND SURFACE ELEVATION 552.0 DATUM NGVD  
START DATE 10/27/94 END DATE 11/10/94

TYPE OF DRILL RIG CME-75  
CASING SIZE AND TYPE 2-1/4 inch Hollow Stem Augers  
OVERBURDEN SAMPLING METHOD 2 inch O.D. x 24" long split spoon  
ROCK DRILLING METHOD

WATER LEVEL DATA

| DATE     | TIME | WATER | CASING | REMARKS             |
|----------|------|-------|--------|---------------------|
| 10/27/94 | 1300 | 12.3' | 24'    | Stabilized 0.5 hrs. |
| 11/9/94  | 1435 | 18.9' | 47'    | Stabilized 0.5 hrs. |

| DEPTH | SAMPLE     |     |             |                  |              | SAMPLE DESCRIPTION                                                                        | Peak OVM Read (ppm) | EQUIPMENT    |  | NOTES                                            |
|-------|------------|-----|-------------|------------------|--------------|-------------------------------------------------------------------------------------------|---------------------|--------------|--|--------------------------------------------------|
|       | BLOWS / 6" | NO. | DEPTH (FT.) | N-VALUE / RQD(%) | RECOVERY (%) |                                                                                           |                     | INSTALLATION |  |                                                  |
|       |            |     |             |                  |              |                                                                                           |                     | LOG          |  |                                                  |
| 1     | 4          | S-1 | 0-2         | 14               | 40           | Medium Dense, Brown, fine to coarse SAND, little Clayey Silt, moist, with root fragments. | ND                  |              |  |                                                  |
|       | 6          |     |             |                  |              |                                                                                           |                     |              |  |                                                  |
|       | 8          |     |             |                  |              |                                                                                           |                     |              |  |                                                  |
| 2     | 11         |     |             |                  |              | [FILL]                                                                                    |                     |              |  | concrete surface seal 0-2.5 ft.                  |
|       | 10         | S-2 | 2-4         | 30               | 55           | same, except with steel nails in sample.                                                  | 1                   |              |  |                                                  |
|       | 13         |     |             |                  |              |                                                                                           |                     |              |  |                                                  |
| 3     | 17         |     |             |                  |              |                                                                                           |                     |              |  |                                                  |
|       | 23         |     |             |                  |              |                                                                                           |                     |              |  |                                                  |
|       | 3          | S-3 | 4-6         | 15               | 75           | same.                                                                                     | ND                  |              |  |                                                  |
| 5     | 4          |     |             |                  |              |                                                                                           |                     |              |  |                                                  |
|       | 11         |     |             |                  |              |                                                                                           |                     |              |  |                                                  |
|       | 12         |     |             |                  |              | [FILL]                                                                                    |                     |              |  | 4 inch black steel riser pipe from 0-38.5 ft.    |
| 6     | 8          | S-4 | 6-8         | 31               | 75           | Medium Dense, Brown, Gray and Black, medium to coarse SAND, trace Gravel, moist to wet.   | ND                  |              |  |                                                  |
|       | 14         |     |             |                  |              |                                                                                           |                     |              |  |                                                  |
|       | 17         |     |             |                  |              |                                                                                           |                     |              |  |                                                  |
| 8     | 11         |     |             |                  |              |                                                                                           |                     |              |  |                                                  |
|       | 9          | S-5 | 8-10        | 32               | 100          | same, wet.                                                                                | ND                  |              |  |                                                  |
|       | 13         |     |             |                  |              |                                                                                           |                     |              |  |                                                  |
| 9     | 19         |     |             |                  |              |                                                                                           |                     |              |  |                                                  |
|       | 19         |     |             |                  |              | [FILL] 10.0'                                                                              |                     |              |  | cement/bentonite grout seal from 2.5 to 33.5 ft. |
|       | 18         | S-6 | 10-12       | 52               | 75           | grades to very dense, fine to coarse SAND, wet.                                           | ND                  |              |  |                                                  |
| 11    | 28         |     |             |                  |              | [UPPER TILL]                                                                              |                     |              |  |                                                  |
|       | 24         |     |             |                  |              |                                                                                           |                     |              |  |                                                  |
|       | 28         |     |             |                  |              |                                                                                           |                     |              |  |                                                  |
| 12    | 23         | S-7 | 12-13.8     | 72               | 90           | grades to some Clayey Silt, moist to wet.                                                 | ND                  |              |  |                                                  |
|       | 33         |     |             |                  |              |                                                                                           |                     |              |  |                                                  |
|       | 39         |     |             |                  |              |                                                                                           |                     |              |  |                                                  |
| 14    | 100/3*     |     |             |                  |              |                                                                                           |                     |              |  |                                                  |
|       | 26         | S-8 | 14-15.4     | >100             | 95           | same                                                                                      | ND                  |              |  |                                                  |
|       | 49         |     |             |                  |              |                                                                                           |                     |              |  |                                                  |
| 15    | 100/5*     |     |             |                  |              | [UPPER TILL]                                                                              |                     |              |  |                                                  |
|       |            |     |             |                  |              |                                                                                           |                     |              |  |                                                  |
|       | 18         | S-9 | 16-18       | 44               | 95           | Dense, grey, fine to medium SAND, little Silt, wet.                                       |                     |              |  |                                                  |

LEGEND

S - Split Spoon Soil Sample  
U - Undisturbed Soil Sample  
C - Rock Core Sample

NOTES: Organic Vapor Meter (OVM) reading of headspace using H-Nu PI-101 photoionization detector.  
ND-not detected above 1 ppm.

GENERAL 1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.  
NOTES: 2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER MAY OCCUR DUE TO OTHER FACTORS THAN THOSE PRESENT AT THE TIME MEASUREMENTS WERE MADE.

GZA

BORING No. OW-2R

GZA GEOENVIRONMENTAL OF NEW YORK  
364 NAGEL DRIVE, BUFFALO, NEW YORK

ENGINEERS AND SCIENTISTS

PROJECT

Stuart-Oliver-Holtz  
Rochester, New York

BORING No. OW-2R

SHEET 2 OF 3

FILE No. 19078.10

CHKD. BY

| DEPTH | SAMPLE     |      |             |                   |              | SAMPLE DESCRIPTION                                                                         | Peak OVM Read (PPM) | EQUIPMENT    |     | NOTES |
|-------|------------|------|-------------|-------------------|--------------|--------------------------------------------------------------------------------------------|---------------------|--------------|-----|-------|
|       | BLOWS / 6" | NO.  | DEPTH (FT.) | N-VALUE / RQD (%) | RECOVERY (%) |                                                                                            |                     | INSTALLATION | LOG |       |
| 17    | 20         |      |             |                   |              |                                                                                            | ND                  |              |     |       |
|       | 24         |      |             |                   |              |                                                                                            |                     |              |     |       |
|       | 46         |      |             |                   |              |                                                                                            |                     |              |     |       |
| 18    | 10         | S-10 | 18-19.5     | <100              | 100          | grades to very dense, some Silt, moist to wet.                                             | ND                  |              |     |       |
|       | 18         |      |             |                   |              |                                                                                            |                     |              |     |       |
| 19    | 100/6      |      |             |                   |              | (SAND STRATUM 16.0-19.7 FT.)                                                               |                     |              |     |       |
|       |            |      |             |                   |              | [UPPER TILL] 20.0'                                                                         |                     |              |     |       |
| 20    | 100/6      | S-11 | 20-20.5     | >100              | 100          | Very dense, grey, fine to coarse SAND, some Clayey Silt, trace Gravel, moist. [LOWER TILL] | ND                  |              |     |       |
| 21    |            |      |             |                   |              |                                                                                            |                     |              |     |       |
| 22    | 25         | S-12 | 22-23.2     | <100              | 20           | same, moist.                                                                               | ND                  |              |     |       |
|       | 29         |      |             |                   |              |                                                                                            |                     |              |     |       |
| 23    | 100/2      |      |             |                   |              |                                                                                            |                     |              |     |       |
| 24    | 23         | S-13 | 24-25.5     | >100              | 100          | same, moist.                                                                               | ND                  |              |     |       |
|       | 40         |      |             |                   |              |                                                                                            |                     |              |     |       |
| 25    | 100/5      |      |             |                   |              | [LOWER TILL]                                                                               |                     |              |     |       |
| 26    | 100/6      | S-14 | 26-26.5     | >100              | 100          | same, moist.                                                                               | ND                  |              |     |       |
| 27    |            |      |             |                   |              |                                                                                            |                     |              |     |       |
| 28    | 54         | S-15 | 28-28.8     | >100              | 100          | same, moist.                                                                               | ND                  |              |     |       |
|       | 100/3      |      |             |                   |              |                                                                                            |                     |              |     |       |
| 29    |            |      |             |                   |              |                                                                                            |                     |              |     |       |
| 30    | 28         | S-16 | 30-31       | >100              | 100          | same, moist.                                                                               | ND                  |              |     |       |
|       | 100/6      |      |             |                   |              |                                                                                            |                     |              |     |       |
| 31    |            |      |             |                   |              |                                                                                            |                     |              |     |       |
| 32    | 32         | S-17 | 32-34       | 98                | 75           | [LOWER TILL] same, moist.                                                                  | ND                  |              |     |       |
|       | 41         |      |             |                   |              |                                                                                            |                     |              |     |       |
| 33    | 57         |      |             |                   |              |                                                                                            |                     |              |     |       |
|       | 85         |      |             |                   |              |                                                                                            |                     |              |     |       |
| 34    | 24         | S-18 | 34-34.8     | >100              | 100          |                                                                                            | ND                  |              |     |       |
|       | 100/4      |      |             |                   |              |                                                                                            |                     |              |     |       |
| 35    |            |      |             |                   |              | Same. Green to red weathered rock fragments. 34.7 - 34.8, moist.                           |                     |              |     |       |
| 36    | 100/3      | S-19 | 36-36.3     | >100              | 100          | SEVERELY WEATHERED BEDROCK grey weathered rock fragments.                                  | ND                  |              |     |       |

← 4-inch black steel riser pipe to 38.5 ft.

← bentonite pellet seal from 33.5 to 36.5 ft.

LEGEND

S - Split Spoon Soil Sample  
U - Undisturbed Soil Sample  
C - Rock Core Sample

NOTES:

Organic Vapor Meter (OVM) reading of headspace using H-NU P1-101 photoionization detector.  
ND-not detected above 1 ppm.

GENERAL 1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.  
NOTES: 2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER MAY OCCUR DUE TO OTHER FACTORS THAN THOSE PRESENT AT THE TIME MEASUREMENTS WERE MADE.

GZA

BORING No. OW-2R

| DEPTH | SAMPLE     |       |             |                   |              | SAMPLE DESCRIPTION                                                       | PEAK OVM READ (PPM) | EQUIPMENT INSTALLATION LOG |  | NOTES                                                         |
|-------|------------|-------|-------------|-------------------|--------------|--------------------------------------------------------------------------|---------------------|----------------------------|--|---------------------------------------------------------------|
|       | BLOWS / 6" | NO.   | DEPTH (FT.) | N-VALUE / RQD (%) | RECOVERY (%) |                                                                          |                     |                            |  |                                                               |
| 37    |            |       |             |                   |              | moist.<br>[SEVERELY WEATHERED BEDROCK]                                   |                     |                            |  |                                                               |
| 38    | 31         | S-20  | 38-39.3     | >100              | 75           | Grey to Green, weathered rock fragments, moist to dry.                   | ND                  |                            |  | No. 00 size sand filter pack from 36.5 to 44.5 ft.            |
| 39    | 57         |       |             |                   |              |                                                                          |                     |                            |  |                                                               |
|       | 100/4*     |       |             |                   |              |                                                                          |                     |                            |  |                                                               |
| 40    | 100/6*     | S-21  | 40-40.5     | >100              | 75           | Black, weathered rock fragments, moist.                                  | ND                  |                            |  |                                                               |
| 41    | 100/3*     | S-22  | 41-41.3     | >100              | 85           | same.<br>[SEVERELY WEATHERED BEDROCK]                                    | ND                  |                            |  | No. 10 slot stainless steel well screen from 38.5 to 43.0 ft. |
| 42    |            |       |             |                   |              |                                                                          |                     |                            |  |                                                               |
| 43    | 72         | S-23A | 43-44.8     | 29                | 100          | Reddish Brown, CLAYEY SILT, moist.                                       | ND                  |                            |  | stainless steel sump from 43 to 43.5 ft.                      |
| 44    | 16         | S-23B |             |                   |              | Greenish weathered rock fragments, moist.                                | ND                  |                            |  |                                                               |
|       | 13         |       |             |                   |              | Pink, Red weathered rock fragments, moist.                               | ND                  |                            |  |                                                               |
|       | 100/3*     |       |             |                   |              |                                                                          |                     |                            |  |                                                               |
| 45    | 100/3*     | S-24  | 45-45.3     | >100              | 100          | Pink, Red weathered rock fragments, moist.                               | ND                  |                            |  |                                                               |
| 46    |            |       |             |                   |              |                                                                          |                     |                            |  |                                                               |
| 47    | 100/6*     | S-25  | 47-47.5     | >100              | 100          | Severely weathered CLAYEY Silt partings.<br>[SEVERELY WEATHERED BEDROCK] | ND                  |                            |  | bentonite pellet seal from 44.5 to 47.5 ft.                   |
| 48    |            |       |             |                   |              | Bottom of Borings 47.5'.                                                 |                     |                            |  |                                                               |
| 49    |            |       |             |                   |              |                                                                          |                     |                            |  |                                                               |
| 50    |            |       |             |                   |              |                                                                          |                     |                            |  |                                                               |

LEGEND  
S - Split Spoon Soil Sample  
U - Undisturbed Soil Sample  
C - Rock Core Sample

NOTES: Organic Vapor Meter (OVM) reading of headspace using H-NU PI-101 photoionization detector.  
ND-not detected above 1 ppm.

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GZA GEOENVIRONMENTAL OF NEW YORK  
364 NAGEL DRIVE, BUFFALO, NEW YORK

ENGINEERS AND SCIENTISTS

PROJECT  
Stuart-Oliver-Holtz  
Rochester, New York

BORING No. OW-3S  
SHEET 1 OF 2  
FILE No. 19078.10  
CHKD. BY

CONTRACTOR Nothnagle Drilling  
DRILLER Steve Lorantz  
GZA GEOENVIRONMENTAL REPRESENTATIVE Dave Belaskas

BORING LOCATION  
GROUND SURFACE ELEVATION                      DATUM                       
START DATE 11/4/94 END DATE 11/4/94

TYPE OF DRILL RIG CME-75

CASING SIZE AND TYPE 6-1/4 inch Hollow Stem Augers

OVERBURDEN SAMPLING METHOD 2-1/4" O.D. x 24" long split spoon

ROCK DRILLING METHOD                     

WATER LEVEL DATA

| DATE    | TIME | WATER | CASING | REMARKS             |
|---------|------|-------|--------|---------------------|
| 11/4/94 | 1115 | 10'   | 24'    | Stabilized 0.5 hrs. |
|         |      |       |        |                     |
|         |      |       |        |                     |

| DEPTH | SAMPLE     |     |             |                  |              | SAMPLE DESCRIPTION                                                    | Peak OVM Read (ppm)                   | EQUIPMENT |                                                       | NOTES                                     |
|-------|------------|-----|-------------|------------------|--------------|-----------------------------------------------------------------------|---------------------------------------|-----------|-------------------------------------------------------|-------------------------------------------|
|       | BLOWS / 6" | NO. | DEPTH (FT.) | N-VALUE / RQD(%) | RECOVERY (%) |                                                                       |                                       | STALL     | LOG                                                   |                                           |
| 1     |            |     |             |                  |              | See OW-3R log for overburden soil descriptions from 0.0' to 14.0' ft. | NO                                    |           |                                                       | 6 inch protective casing                  |
| 2     |            |     |             |                  |              |                                                                       |                                       |           |                                                       | Concrete surface seal 0 to 2.5 ft.        |
| 3     |            |     |             |                  |              |                                                                       |                                       |           |                                                       | Cement/bentonite grout from 2.5 to 13 ft. |
| 4     |            |     |             |                  |              |                                                                       |                                       |           |                                                       |                                           |
| 5     |            |     |             |                  |              | [FILL] 4.7'                                                           |                                       |           |                                                       |                                           |
| 6     |            |     |             |                  |              | [LACUSTRINE]                                                          |                                       |           |                                                       |                                           |
| 7     |            |     |             |                  |              |                                                                       |                                       |           |                                                       |                                           |
| 8     |            |     |             |                  |              |                                                                       |                                       |           |                                                       |                                           |
| 9     |            |     |             |                  |              |                                                                       |                                       |           |                                                       |                                           |
| 10    |            |     |             |                  |              | [LACUSTRINE]                                                          |                                       |           | 4 inch O.D. flush couple, black steel riser to 18 ft. |                                           |
| 11    |            |     |             |                  |              |                                                                       |                                       |           |                                                       |                                           |
| 12    |            |     |             |                  |              |                                                                       |                                       |           |                                                       |                                           |
| 13    |            |     |             |                  |              |                                                                       |                                       |           |                                                       |                                           |
| 14    |            |     |             |                  |              | [LACUSTRINE]                                                          |                                       |           | Bentonite pellet seal from 13 to 16 ft.               |                                           |
|       |            |     |             |                  |              | Advanced augers to 14.0 ft. without sampling.                         |                                       |           |                                                       |                                           |
| 15    | 1          | S-1 | 14-16       | 2                | 100          | Soft, brown, SILTY CLAY, wet.                                         |                                       |           |                                                       |                                           |
|       | 1          |     |             |                  |              | [LACUSTRINE]                                                          |                                       |           |                                                       |                                           |
| 16    | 1          |     |             |                  |              |                                                                       |                                       |           |                                                       |                                           |
|       | 1          |     |             |                  |              |                                                                       | ...grades little fine to coarse SAND. | NO        |                                                       |                                           |
|       | 1          | S-2 | 16-18       | 2                | 100          |                                                                       |                                       |           |                                                       |                                           |

LEGEND  
S - Split Spoon Soil Sample  
U - Undisturbed Soil Sample  
C - Rock Core Sample

NOTES: Organic Vapor Meter (OVM) reading of headspace using H-Nu PI-101 photoionization detector.  
ND-not detected above 1 ppm.

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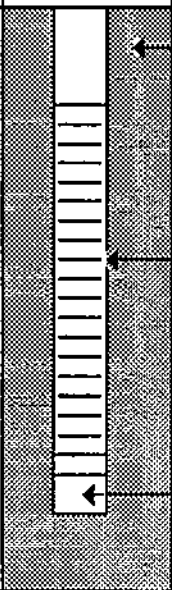
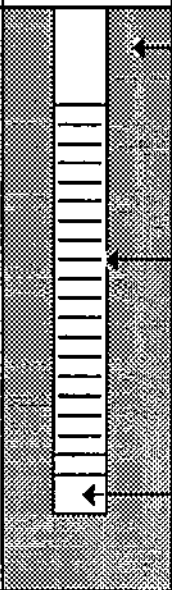
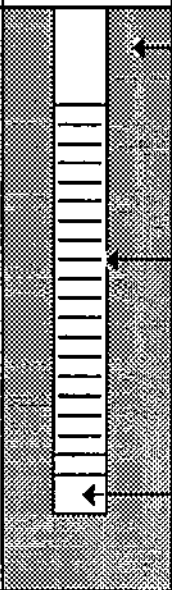
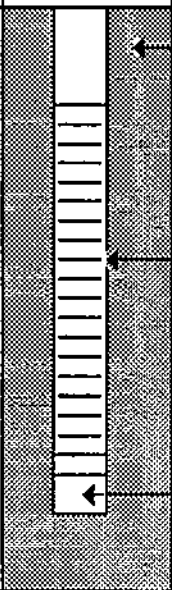
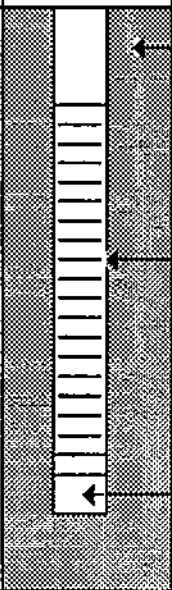
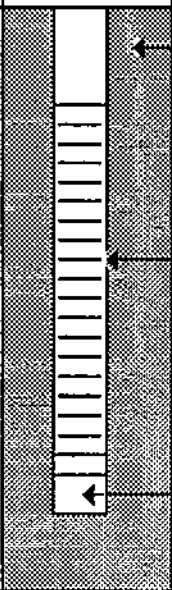
BORING No. OW-3S

GZA GEOENVIRONMENTAL OF NEW YORK  
364 NAGEL DRIVE, BUFFALO, NEW YORK

ENGINEERS AND SCIENTISTS

PROJECT  
Stuart-Oliver-Holtz  
Rochester, New York

BORING No. OW-3S  
SHEET 2 OF 2  
FILE No. 19078.10  
CHKD. BY

| DEPTH | SAMPLE     |     |             |                 |              | SAMPLE DESCRIPTION                                                             | Peak OVM Read (PPM) | EQUIPMENT                                                                           |                                                             | NOTES |
|-------|------------|-----|-------------|-----------------|--------------|--------------------------------------------------------------------------------|---------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------|-------|
|       | BLOWS / 6" | NO. | DEPTH (FT.) | N-VALUE /RQD(%) | RECOVERY (%) |                                                                                |                     | INSTALLATION                                                                        | LOG                                                         |       |
| 17    | 1          |     |             |                 |              | [LACUSTRINE] 17.8 ft.                                                          | 8.0                 |  | No.00 size sand filter pack from 16 to 24 ft.               |       |
|       | 1          |     |             |                 |              |                                                                                |                     |                                                                                     |                                                             |       |
|       | 1          |     |             |                 |              |                                                                                |                     |                                                                                     |                                                             |       |
| 18    | 2          | S-3 | 18-20       | 5               | 40           | Loose, brown, fine to coarse SAND, little Clayey Silt, trace Gravel, wet.      | 8.0                 |  | No.00 size sand filter pack from 16 to 24 ft.               |       |
|       | 2          |     |             |                 |              |                                                                                |                     |                                                                                     |                                                             |       |
|       | 3          |     |             |                 |              |                                                                                |                     |                                                                                     |                                                             |       |
| 19    | 2          |     |             |                 |              | [UPPER TILL] grades medium dense. (Sand Stratum 17.8 to 22.5 ft.)              | ND                  |  | No. 10 slot stainless steel well screen from 18 to 22.5 ft. |       |
|       | 3          |     |             |                 |              |                                                                                |                     |                                                                                     |                                                             |       |
|       | 2          |     |             |                 |              |                                                                                |                     |                                                                                     |                                                             |       |
| 20    | 4          | S-4 | 20-22       | 13              | 75           | [UPPER TILL] 22.5'                                                             | 1.2                 |  | No. 10 slot stainless steel well screen from 18 to 22.5 ft. |       |
|       | 6          |     |             |                 |              |                                                                                |                     |                                                                                     |                                                             |       |
|       | 7          |     |             |                 |              |                                                                                |                     |                                                                                     |                                                             |       |
| 21    | 10         |     |             |                 |              | [UPPER TILL] 22.5'                                                             | 1.2                 |  | No. 10 slot stainless steel well screen from 18 to 22.5 ft. |       |
|       | 15         | S-5 | 22-23.8     | 98              | 60           |                                                                                |                     |                                                                                     |                                                             |       |
|       | 45         |     |             |                 |              |                                                                                |                     |                                                                                     |                                                             |       |
| 23    | 53         |     |             |                 |              | Very dense, brown, fine to coarse Sand, some Clayey Silt, trace Gravel, moist. | 1.2                 |  | stainless steel sump from 22.5 to 23 ft.                    |       |
|       | 100/3      |     |             |                 |              | [LOWER TILL]                                                                   |                     |                                                                                     |                                                             |       |
| 24    |            |     |             |                 |              |                                                                                |                     |                                                                                     |                                                             |       |
|       |            |     |             |                 |              | Bottom of boring at 23.8 ft.                                                   |                     |                                                                                     |                                                             |       |
| 25    |            |     |             |                 |              |                                                                                |                     |                                                                                     |                                                             |       |
| 26    |            |     |             |                 |              |                                                                                |                     |                                                                                     |                                                             |       |
| 27    |            |     |             |                 |              |                                                                                |                     |                                                                                     |                                                             |       |
| 28    |            |     |             |                 |              |                                                                                |                     |                                                                                     |                                                             |       |
| 29    |            |     |             |                 |              |                                                                                |                     |                                                                                     |                                                             |       |
| 30    |            |     |             |                 |              |                                                                                |                     |                                                                                     |                                                             |       |
| 31    |            |     |             |                 |              |                                                                                |                     |                                                                                     |                                                             |       |
| 32    |            |     |             |                 |              |                                                                                |                     |                                                                                     |                                                             |       |
| 33    |            |     |             |                 |              |                                                                                |                     |                                                                                     |                                                             |       |
| 34    |            |     |             |                 |              |                                                                                |                     |                                                                                     |                                                             |       |
| 35    |            |     |             |                 |              |                                                                                |                     |                                                                                     |                                                             |       |
| 36    |            |     |             |                 |              |                                                                                |                     |                                                                                     |                                                             |       |

LEGEND

S - Split Spoon Soil Sample  
U - Undisturbed Soil Sample  
C - Rock Core Sample

NOTES:

Organic Vapor Meter (OVM) reading of headspace using H-NU PI-101 photoionization detector.  
ND-not detected above 1 ppm.

GENERAL 1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.  
NOTES: 2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER MAY OCCUR DUE TO OTHER FACTORS THAN THOSE PRESENT AT THE TIME MEASUREMENTS WERE MADE.

GZA

BORING No. OW-3S



GZA GEOENVIRONMENTAL OF NEW YORK  
364 NAGEL DRIVE, BUFFALO, NEW YORK

ENGINEERS AND SCIENTISTS

PROJECT  
Stuart-Oliver-Holtz  
Rochester, New York

BORING No. OW-3R  
SHEET 1 OF 3  
FILE No. 19078.10  
CHKD. BY GJK

CONTRACTOR Nothnagle Drilling  
DRILLER Steve Lorantz  
GZA GEOENVIRONMENTAL REPRESENTATIVE Steve Blair

BORING LOCATION N1123827.84 E751121.32  
GROUND SURFACE ELEVATION DATUM  
START DATE 10/28/94 END DATE 11/14/94

TYPE OF DRILL RIG CME-75, Bk81 for 28'-45'  
CASING SIZE AND TYPE 2-1/4 inch ID Hollow Stem Augers  
OVERBURDEN SAMPLING METHOD 2 inch O.D. x 24" long split Spoon  
ROCK DRILLING METHOD

WATER LEVEL DATA

| DATE     | TIME | WATER | CASING | REMARKS             |
|----------|------|-------|--------|---------------------|
| 10/31/94 | 0730 | 11.5' | 22'    | Stabilized 2 days.  |
| 10/31/94 | 1430 | dry   | 28'    | Stabilized 15 mins. |
| 11/11/94 | 1420 | 38'   | 46'    | Stabilized 15 mins. |
| 11/14/94 | 0800 | 8.8'  | 45'    | Stabilized 64 hrs.  |

| DEPTH | SAMPLE        |     |                |                    |                 | SAMPLE DESCRIPTION                                                       | OVM(1)<br>Read<br>(ppm) | EQUIPMENT<br>INSTALLATION | LOG | NOTES |
|-------|---------------|-----|----------------|--------------------|-----------------|--------------------------------------------------------------------------|-------------------------|---------------------------|-----|-------|
|       | BLOWS<br>/ 6" | NO. | DEPTH<br>(FT.) | N-VALUE<br>/RQD(%) | RECOVERY<br>(%) |                                                                          |                         |                           |     |       |
| 1     | 3             | S-1 | 0-2            | 16                 | 25              | Brown, fine to medium SAND,<br>some Clayey Silt, moist.                  | ND                      |                           |     |       |
|       | 7             |     |                |                    |                 |                                                                          |                         |                           |     |       |
|       | 9             |     |                |                    |                 |                                                                          |                         |                           |     |       |
|       | 7             |     |                |                    |                 |                                                                          |                         |                           |     |       |
| 2     | 8             | S-2 | 2-4            | 16                 | 25              | [FILL] 4.7'                                                              | ND                      |                           |     |       |
|       | 8             |     |                |                    |                 |                                                                          |                         |                           |     |       |
|       | 8             |     |                |                    |                 |                                                                          |                         |                           |     |       |
|       | 10            |     |                |                    |                 |                                                                          |                         |                           |     |       |
| 3     | 3             | S-3 | 4-6            | 16                 | 65              | Very stiff, brown, CLAY and<br>SILT, some fine to coarse<br>SAND, moist. | ND                      |                           |     |       |
|       | 7             |     |                |                    |                 |                                                                          |                         |                           |     |       |
|       | 9             |     |                |                    |                 |                                                                          |                         |                           |     |       |
|       | 10            |     |                |                    |                 |                                                                          |                         |                           |     |       |
| 4     | 5             | S-4 | 6-8            | 17                 | 75              | [LACUSTRINE]                                                             | ND                      |                           |     |       |
|       | 6             |     |                |                    |                 |                                                                          |                         |                           |     |       |
|       | 11            |     |                |                    |                 |                                                                          |                         |                           |     |       |
|       | 14            |     |                |                    |                 |                                                                          |                         |                           |     |       |
| 5     | 3             | S-5 | 8-10           | 14                 | 65              | same, except stiff, with<br>trace Sand.                                  | ND                      |                           |     |       |
|       | 6             |     |                |                    |                 |                                                                          |                         |                           |     |       |
|       | 8             |     |                |                    |                 |                                                                          |                         |                           |     |       |
|       | 10            |     |                |                    |                 |                                                                          |                         |                           |     |       |
| 6     | 4             | S-6 | 10-12          | 11                 | 60              | Soft, brown, SILTY CLAY,<br>wet.                                         | ND                      |                           |     |       |
|       | 4             |     |                |                    |                 |                                                                          |                         |                           |     |       |
|       | 7             |     |                |                    |                 |                                                                          |                         |                           |     |       |
|       | 8             |     |                |                    |                 |                                                                          |                         |                           |     |       |
| 7     | 1             | S-7 | 12-14          | 3                  | 100             | same.                                                                    | ND                      |                           |     |       |
|       | 2             |     |                |                    |                 |                                                                          |                         |                           |     |       |
|       | 1             |     |                |                    |                 |                                                                          |                         |                           |     |       |
|       | 2             |     |                |                    |                 |                                                                          |                         |                           |     |       |
| 8     | 1             | S-8 | 14-16          | 2                  | 100             | same.                                                                    | ND                      |                           |     |       |
|       | 1             |     |                |                    |                 |                                                                          |                         |                           |     |       |
|       | 1             |     |                |                    |                 |                                                                          |                         |                           |     |       |
|       | 1             |     |                |                    |                 |                                                                          |                         |                           |     |       |
| 9     | 1             | S-9 | 16-18          | 2                  | 100             | [LACUSTRINE]                                                             | ND                      |                           |     |       |
|       | 1             |     |                |                    |                 |                                                                          |                         |                           |     |       |
|       | 1             |     |                |                    |                 |                                                                          |                         |                           |     |       |
|       | 1             |     |                |                    |                 |                                                                          |                         |                           |     |       |

LEGEND  
S - Split Spoon Soil Sample  
U - Undisturbed Soil Sample  
C - Rock Core Sample

NOTES: (1) Organic Vapor Meter (OVM) reading of headspace using H-Nu PI-101 photoionization detector. ND=not detected above 1 ppm.

GENERAL 1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.  
NOTES: 2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER MAY OCCUR DUE TO OTHER FACTORS THAN THOSE PRESENT AT THE TIME MEASUREMENTS WERE MADE.

GZA

BORING No. OW-3R

GZA GEOENVIRONMENTAL OF NEW YORK  
364 NAGEL DRIVE, BUFFALO, NEW YORK

ENGINEERS AND SCIENTISTS

PROJECT  
Stuart-Oliver-Holtz  
Rochester, New York

BORING No. OW-3R  
SHEET 2 OF 3  
FILE No. 19078.10  
CHKD. BY GJK

| DEPTH | SAMPLE        |      |                |                    |                 | SAMPLE DESCRIPTION                                                                   | Peak<br>OVM<br>Read<br>(PPM) | EQUIPMENT    |     | NOTES |
|-------|---------------|------|----------------|--------------------|-----------------|--------------------------------------------------------------------------------------|------------------------------|--------------|-----|-------|
|       | BLOWS<br>/ 6" | NO.  | DEPTH<br>(FT.) | N-VALUE<br>/RQD(%) | RECOVERY<br>(%) |                                                                                      |                              | INSTALLATION | LOG |       |
| 17    | 1             |      |                |                    |                 | [LACUSTRINE]                                                                         | ND                           |              |     |       |
|       | 1             |      |                |                    |                 | trace Sand. 17.3 ft.                                                                 |                              |              |     |       |
| 18    | 1             |      |                |                    |                 | Loose, brown, SAND, some<br>Clayey Silt, trace gravel,<br>wet.                       | ND                           |              |     |       |
|       | 1             | S-10 | 18-20          | 4                  | 40              |                                                                                      |                              |              |     |       |
| 19    | 1             |      |                |                    |                 | [UPPER TILL]                                                                         |                              |              |     |       |
|       | 3             |      |                |                    |                 |                                                                                      |                              |              |     |       |
| 20    | 4             |      |                |                    |                 | same, except very loose and<br>little Gravel.                                        | ND                           |              |     |       |
|       | 1             | S-11 | 20-22          | 3                  | 40              |                                                                                      |                              |              |     |       |
| 21    | 2             |      |                |                    |                 | [UPPER TILL]                                                                         |                              |              |     |       |
|       | 1             |      |                |                    |                 |                                                                                      |                              |              |     |       |
| 22    | 2             |      |                |                    |                 | 22 ft.                                                                               |                              |              |     |       |
|       | 32            | S-12 | 22-23          | >100               | 100             |                                                                                      |                              |              |     |       |
| 23    | 100/6*        |      |                |                    |                 | Very dense, brown, fine to<br>coarse SAND, some Clayey<br>Silt, trace Gravel, moist. | ND                           |              |     |       |
|       |               |      |                |                    |                 |                                                                                      |                              |              |     |       |
| 24    |               |      |                |                    |                 | [LOWER TILL]                                                                         |                              |              |     |       |
|       | 27            | S-13 | 24-25.3        | >100               | 100             |                                                                                      |                              |              |     |       |
| 25    | 54            |      |                |                    |                 | same.                                                                                | ND                           |              |     |       |
|       | 100/4*        |      |                |                    |                 |                                                                                      |                              |              |     |       |
| 26    |               |      |                |                    |                 | same.                                                                                | ND                           |              |     |       |
|       | 30            | S-14 | 26-27          | >100               | 75              |                                                                                      |                              |              |     |       |
| 27    | 100/6*        |      |                |                    |                 |                                                                                      |                              |              |     |       |
|       |               |      |                |                    |                 |                                                                                      |                              |              |     |       |
| 28    | 79            | S-15 | 28-28.8        | >100               | 50              | same.                                                                                | ND                           |              |     |       |
|       | 100/3*        |      |                |                    |                 |                                                                                      |                              |              |     |       |
| 29    |               |      |                |                    |                 |                                                                                      |                              |              |     |       |
|       |               |      |                |                    |                 |                                                                                      |                              |              |     |       |
| 30    | 34            | S-16 | 30-30.9        | >100               | 30              | same.                                                                                | ND                           |              |     |       |
|       | 100/5*        |      |                |                    |                 |                                                                                      |                              |              |     |       |
| 31    |               |      |                |                    |                 | [LOWER TILL]                                                                         |                              |              |     |       |
|       |               |      |                |                    |                 |                                                                                      |                              |              |     |       |
| 32    | 100/6*        | S-17 | 32-32.5        | >100               | 100             | same.                                                                                | ND                           |              |     |       |
|       |               |      |                |                    |                 |                                                                                      |                              |              |     |       |
| 33    |               |      |                |                    |                 |                                                                                      |                              |              |     |       |
|       |               |      |                |                    |                 |                                                                                      |                              |              |     |       |
| 34    | 100/6*        | S-18 | 34-34.5        | >100               | 100             | same.                                                                                | ND                           |              |     |       |
|       |               |      |                |                    |                 |                                                                                      |                              |              |     |       |
| 35    |               |      |                |                    |                 |                                                                                      |                              |              |     |       |
|       |               |      |                |                    |                 |                                                                                      |                              |              |     |       |
| 36    | 69            | S-19 | 36-36.8        | >100               | 100             | same.                                                                                | ND                           |              |     |       |
|       |               |      |                |                    |                 |                                                                                      |                              |              |     |       |

4-inch black steel  
riser pipe to 39 ft.

bentonite pellet  
seal from 34 to 37 ft.

← 4-inch black steel  
riser pipe to 39 ft.

← bentonite pellet  
seal from 34 to 37 ft.

LEGEND

S - Split Spoon Soil Sample  
U - Undisturbed Soil Sample  
C - Rock Core Sample

NOTES:

Organic Vapor Meter (OVM) reading of headspace using H-KU PI-101  
photoionization detector. ND=not detected above 1 ppm.

GENERAL 1) STRATIFICATION LINES REPRESE T APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.  
NOTES: 2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER  
MAY OCCUR DUE TO OTHER FACTORS THAN THOSE PRESENT AT THE TIME MEASUREMENTS WERE MADE.

GZA

BORING No. OW-3R

G2A GEOENVIRONMENTAL OF NEW YORK  
364 NAGEL DRIVE, BUFFALO, NEW YORK

ENGINEERS AND SCIENTISTS

PROJECT  
Stuart-Oliver-Holtz  
Rochester, New York

BORING No. OW-3R  
SHEET 3 OF 3  
FILE No. 19078.10  
CHKD. BY GJK

| DEPTH | SAMPLE        |      |                |                    |                 | SAMPLE DESCRIPTION                                                             | PEAK<br>OVM<br>READ<br>(PPM) | EQUIPMENT    |     | NOTES                                                         |
|-------|---------------|------|----------------|--------------------|-----------------|--------------------------------------------------------------------------------|------------------------------|--------------|-----|---------------------------------------------------------------|
|       | BLOWS<br>/ 6" | NO.  | DEPTH<br>(FT.) | N-VALUE<br>/ROD(%) | RECOVERY<br>(%) |                                                                                |                              | INSTALLATION | LOG |                                                               |
| 37    | 100/3         |      |                |                    |                 |                                                                                | ND                           |              |     |                                                               |
| 38    | 100/6         | S-20 | 38-38.5        | >100               | 100             | Very dense, brown, fine to coarse SAND, some clayey silt, trace gravel, moist. | ND                           |              |     | ← No. 00 size sand filter pack from 37 to 45 ft.              |
| 39    |               |      |                |                    |                 | [LOWER TILL] 39.7'                                                             |                              |              |     |                                                               |
| 40    | 100/6         | S-21 | 40-40.5        | >100               | 100             | Very Dense, Black to green, weathered rock fragments, moist to wet.            | ND                           |              |     | ← No. 10 slot stainless steel well screen from 39 to 43.5 ft. |
| 41    |               |      |                |                    |                 | [SEVERELY WEATHERED BEDROCK]                                                   |                              |              |     |                                                               |
| 42    | 100/2         | S-22 | 40-40.2        | >100               | 100             | same, except moist.                                                            | ND                           |              |     |                                                               |
| 43    |               |      |                |                    |                 |                                                                                |                              |              |     |                                                               |
| 44    | 100/2         | S-23 | 44-44.2        | >100               | 100             | same.                                                                          | ND                           |              |     | ← stainless steel sump from 43.5 to 44 ft.                    |
| 45    |               |      |                |                    |                 |                                                                                |                              |              |     |                                                               |
| 46    | 100/2         | S-24 | 46-46.2        | >100               | 100             | same.                                                                          | ND                           |              |     |                                                               |
| 47    |               |      |                |                    |                 |                                                                                |                              |              |     | ← bentonite pellet seal from 45 to 48.2 ft.                   |
| 48    | 100/2         | S-25 | 48-48.2        | >100               | 100             | same.                                                                          | ND                           |              |     |                                                               |
| 49    |               |      |                |                    |                 | Bottom of boring at 48.2'.                                                     |                              |              |     |                                                               |

LEGEND

S - Split Spoon Soil Sample  
U - Undisturbed Soil Sample  
C - Rock Core Sample

NOTES: Organic Vapor Meter (OVM) reading of headspace using H-Nu PI-101 photoionization detector. ND=not detected above 1 ppm.

GENERAL 1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.  
NOTES: 2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER MAY OCCUR DUE TO OTHER FACTORS THAN THOSE PRESENT AT THE TIME MEASUREMENTS WERE MADE.

GZA

BORING No. OW-3R

GZA GEOENVIRONMENTAL OF NEW YORK  
364 NAGEL DRIVE, BUFFALO, NEW YORK

ENGINEERS AND SCIENTISTS

PROJECT  
Stuart-Oliver-Holtz  
Rochester, New York

BORING No. OW-4S  
SHEET 1 OF 2  
FILE No. 19078.10  
CHKD. BY

CONTRACTOR Nothnagle Drilling  
DRILLER Steve Lorantz  
GZA GEOENVIRONMENTAL REPRESENTATIVE Dave Belaskas

BORING LOCATION N1123618.21 E751059.86  
GROUND SURFACE ELEVATION 530.0 DATUM NGVD  
START DATE 11/21/94 END DATE 11/21/94

TYPE OF DRILL RIG CME-75

CASING SIZE AND TYPE 6-1/4 inch Hollow Stem Augers

OVERBURDEN SAMPLING METHOD 2 inch O.D. x 24" long split spoon

ROCK DRILLING METHOD

WATER LEVEL DATA

| DATE | TIME | WATER | CASING | REMARKS |
|------|------|-------|--------|---------|
|------|------|-------|--------|---------|

Water level data was measured in completed well,  
see notes below.

| DEPTH | SAMPLE     |     |             |                   |              | SAMPLE DESCRIPTION                                                                | Peak OVM Read (ppm) | EQUIPMENT    |     | NOTES                             |
|-------|------------|-----|-------------|-------------------|--------------|-----------------------------------------------------------------------------------|---------------------|--------------|-----|-----------------------------------|
|       | BLOWS / 6" | NO. | DEPTH (FT.) | N-VALUE / RQD (%) | RECOVERY (%) |                                                                                   |                     | INSTALLATION | LOG |                                   |
| 1     |            |     |             |                   |              | See OW-4R log for overburden soil descriptions from 0-8.0 ft.                     |                     |              |     |                                   |
| 2     |            |     |             |                   |              |                                                                                   |                     |              |     |                                   |
| 3     |            |     |             |                   |              |                                                                                   |                     |              |     |                                   |
| 4     |            |     |             |                   |              |                                                                                   |                     |              |     |                                   |
| 5     |            |     |             |                   |              |                                                                                   |                     |              |     |                                   |
| 6     |            |     |             |                   |              | [FILL] 6.0'                                                                       |                     |              |     | Concrete surface seal 0 - 2.5 ft. |
| 7     |            |     |             |                   |              |                                                                                   |                     |              |     |                                   |
| 8     | 4          | S-1 | 8-10        | 16                | 75           | Very stiff, reddish brown CLAY & SILT, trace fine Sand, moist.                    |                     |              |     |                                   |
| 9     | 6          |     |             |                   |              |                                                                                   |                     |              |     |                                   |
| 10    | 10         |     |             |                   |              | [LACUSTRINE]                                                                      |                     |              |     |                                   |
| 11    | 11         |     |             |                   |              |                                                                                   |                     |              |     |                                   |
| 12    |            |     |             |                   |              | Advanced augers to 14.0' without sampling.                                        |                     |              |     |                                   |
| 13    |            |     |             |                   |              |                                                                                   |                     |              |     |                                   |
| 14    | 4          | S-2 | 14-16       | 15                | 75           | Very stiff, reddish-brown, CLAY & SILT, some fine Sand, moist. [LACUSTRINE] 14.8' |                     |              |     |                                   |
| 15    | 6          |     |             |                   |              | [UPPER TILL]                                                                      |                     |              |     |                                   |
| 16    | 9          |     |             |                   |              |                                                                                   |                     |              |     |                                   |
|       | 10         |     |             |                   |              |                                                                                   |                     |              |     |                                   |
|       | 1          | S-3 | 16-18       | 5                 | 50           | Medium grey CLAY & Silt and fine to coarse SAND, moist to wet.                    | ND                  |              |     |                                   |

LEGEND  
S - Split Spoon Soil Sample  
U - Undisturbed Soil Sample  
C - Rock Core Sample

NOTES: Organic Vapor Meter (OVM) reading of headspace using H-Nu PI-101 photoionization detector.  
ND-not detected above 1ppm.

GENERAL 1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.  
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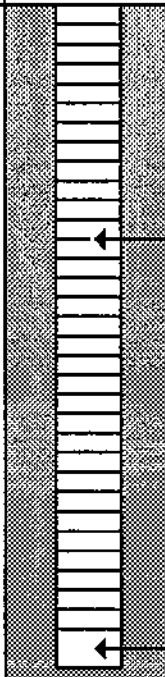
GZA

BORING No. OW-4S

GZA GEOENVIRONMENTAL OF NEW YORK  
364 NAGEL DRIVE, BUFFALO, NEW YORK  
ENGINEERS AND SCIENTISTS

PROJECT  
Stuart-Oliver-Holtz  
Rochester, New York

BORING No. OW-4S  
SHEET 2 OF 2  
FILE No. 19078.10  
CHKD. BY GJK

| DEPTH | SAMPLE        |     |                |                    |                 | SAMPLE DESCRIPTION                                                  | (1)<br>Peak<br>OVM<br>Read<br>(PPM) | EQUIPMENT                                                                           |     | NOTES |
|-------|---------------|-----|----------------|--------------------|-----------------|---------------------------------------------------------------------|-------------------------------------|-------------------------------------------------------------------------------------|-----|-------|
|       | BLOWS<br>/ 6" | NO. | DEPTH<br>(FT.) | N-VALUE<br>/RQD(%) | RECOVERY<br>(%) |                                                                     |                                     | INSTALLATION                                                                        | LOG |       |
| 17    | 2             |     |                |                    |                 | [UPPER TILL]                                                        | ND                                  |  |     |       |
|       | 3             |     |                |                    |                 |                                                                     |                                     |                                                                                     |     |       |
|       | 6             |     |                |                    |                 |                                                                     |                                     |                                                                                     |     |       |
| 18    | 2             | S-4 | 18-20          | 7                  | 75              | Loose, grey, fine to coarse SAND, trace Gravel, wet.                |                                     |                                                                                     |     |       |
|       | 4             |     |                |                    |                 |                                                                     | ND                                  |                                                                                     |     |       |
| 19    | 3             |     |                |                    |                 |                                                                     |                                     |                                                                                     |     |       |
|       | 8             |     |                |                    |                 |                                                                     |                                     |                                                                                     |     |       |
| 20    | 2             | S-5 | 20-22          | 30                 | 70              | Same.                                                               |                                     |                                                                                     |     |       |
|       | 12            |     |                |                    |                 |                                                                     | ND                                  |                                                                                     |     |       |
| 21    | 18            |     |                |                    |                 |                                                                     |                                     |                                                                                     |     |       |
|       | 28            |     |                |                    |                 |                                                                     |                                     |                                                                                     |     |       |
| 22    | 5             | S-6 | 22-24          | 38                 | 75              | Same, moist to wet.<br>[UPPER TILL] 22.6'                           |                                     |                                                                                     |     |       |
|       | 27            |     |                |                    |                 |                                                                     | ND                                  |                                                                                     |     |       |
| 23    | 11            |     |                |                    |                 | Dense, grey, fine to coarse SAND, little Clayey Silt, moist to wet. |                                     |                                                                                     |     |       |
|       | 17            |     |                |                    |                 |                                                                     |                                     |                                                                                     |     |       |
| 24    | 17            | S-7 | 24-25.5        | >100               | 100             | [LOWER TILL]<br>Same, moist, grey Sand seam at 24.6'.               |                                     |                                                                                     |     |       |
|       | 40            |     |                |                    |                 |                                                                     | ND                                  |                                                                                     |     |       |
| 25    | 100/6"        |     |                |                    |                 |                                                                     |                                     |                                                                                     |     |       |
| 26    |               |     |                |                    |                 | Bottom of boring at 25.5'                                           |                                     |                                                                                     |     |       |
| 27    |               |     |                |                    |                 |                                                                     |                                     |                                                                                     |     |       |
| 28    |               |     |                |                    |                 |                                                                     |                                     |                                                                                     |     |       |
| 29    |               |     |                |                    |                 |                                                                     |                                     |                                                                                     |     |       |
| 30    |               |     |                |                    |                 |                                                                     |                                     |                                                                                     |     |       |
| 31    |               |     |                |                    |                 |                                                                     |                                     |                                                                                     |     |       |
| 32    |               |     |                |                    |                 |                                                                     |                                     |                                                                                     |     |       |
| 33    |               |     |                |                    |                 |                                                                     |                                     |                                                                                     |     |       |
| 34    |               |     |                |                    |                 |                                                                     |                                     |                                                                                     |     |       |
| 35    |               |     |                |                    |                 |                                                                     |                                     |                                                                                     |     |       |
| 36    |               |     |                |                    |                 |                                                                     |                                     |                                                                                     |     |       |

LEGEND

S - Split Spoon Soil Sample

U - Undisturbed Soil Sample

C - Rock Core Sample

NOTES: (1) Organic Vapor Meter (OVM) reading of headspace using H-Mu PI-101 photoionization detector. ND=not detected above 1 ppm.

LEGEND

S - Split Spoon Soil Sample  
U - Undisturbed Soil Sample  
C - Rock Core Sample

NOTES: (1) Organic Vapor Meter (OVM) reading of headspace using H-Nu PI-101 photoionization detector. ND=not detected above 1 ppm.

GENERAL 1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.  
NOTES: 2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER MAY OCCUR DUE TO OTHER FACTORS THAN THOSE PRESENT AT THE TIME MEASUREMENTS WERE MADE.

GZA

BORING No. OW-4S

GZA GEOENVIRONMENTAL OF NEW YORK  
364 NAGEL DRIVE, BUFFALO, NEW YORK  
ENGINEERS AND SCIENTISTS

PROJECT  
Stuart-Oliver-Holtz  
Rochester, New York

BORING No. OW-4R  
SHEET 1 OF 3  
FILE No. 19078.10  
CHKD. BY

CONTRACTOR Nothnagle Drilling  
DRILLER Steve Larentz  
GZA GEOENVIRONMENTAL REPRESENTATIVE Dave Belaskas

BORING LOCATION N1123612.12 E751057.40  
GROUND SURFACE ELEVATION 529.6 DATUM NGVD  
START DATE 11/15/94 END DATE 11/21/94

TYPE OF DRILL RIG CME-75

CASING SIZE AND TYPE 2-1/4 inch Hollow Stem Augers

OVERBURDEN SAMPLING METHOD 2 inch O.D. x 24" long split spoon

ROCK DRILLING METHOD

WATER LEVEL DATA

| DATE     | TIME | WATER | CASING | REMARKS             |
|----------|------|-------|--------|---------------------|
| 11/15/94 | 1100 | Dry   | 36'    | Stabilized 15 mins. |
| 11/21/94 | 0800 | 17.3' | 48'    | Stabilized 66 hrs.  |

| DEPTH | SAMPLE     |     |             |                 |              | SAMPLE DESCRIPTION                                                                 | (1) Peak OVM Read (ppm) | EQUIPMENT INSTALLATION |  | NOTES                                          |
|-------|------------|-----|-------------|-----------------|--------------|------------------------------------------------------------------------------------|-------------------------|------------------------|--|------------------------------------------------|
|       | BLOWS / 6" | NO. | DEPTH (FT.) | N-VALUE /RQD(%) | RECOVERY (%) |                                                                                    |                         | LOG                    |  |                                                |
| 1     | 1          | S-1 | 0-2         | 16              | 50           | Medium dense, brown, fine to coarse SAND, trace Clayey Silt, moist roots.          | 14                      |                        |  | concrete surface seal 0 to 2.5 ft.             |
|       | 11         |     |             |                 |              |                                                                                    |                         |                        |  |                                                |
|       | 5          |     |             |                 |              | Grey, medium Gravel, moist                                                         |                         |                        |  |                                                |
| 2     | 8          |     |             |                 |              | Medium dense, brown, fine to coarse SAND, little clayey Silt, trace gravel, moist. | 1                       |                        |  |                                                |
|       | 17         | S-2 | 2-4         | 38              | 70           |                                                                                    |                         |                        |  |                                                |
|       | 14         |     |             |                 |              | same, grades dense, moist.                                                         |                         |                        |  |                                                |
| 3     | 24         |     |             |                 |              |                                                                                    |                         |                        |  |                                                |
|       | 13         |     |             |                 |              |                                                                                    |                         |                        |  |                                                |
|       | 3          | S-3 | 4-6         | 16              | 50           | grades to Medium Dense, some clayey Silt, moist.                                   | ND                      |                        |  |                                                |
| 4     | 7          |     |             |                 |              |                                                                                    |                         |                        |  |                                                |
|       | 9          |     |             |                 |              |                                                                                    |                         |                        |  |                                                |
|       | 14         |     |             |                 |              | [FILL] 6.0'                                                                        |                         |                        |  |                                                |
| 5     | 3          | S-4 | 6-8         | 13              | 55           | Stiff, brown, CLAY & SILT, trace fine Sand, moist.                                 | 4                       |                        |  | 4-inch black steel riser pipe from 0 to 44 ft. |
|       | 6          |     |             |                 |              |                                                                                    |                         |                        |  |                                                |
|       | 7          |     |             |                 |              | [LACUSTRINE]                                                                       |                         |                        |  |                                                |
| 6     | 10         |     |             |                 |              |                                                                                    |                         |                        |  |                                                |
|       | 2          | S-5 | 8-10        | 11              | 55           | same, except mottled Grey, Reddish Brown, moist.                                   | 8                       |                        |  |                                                |
|       | 4          |     |             |                 |              |                                                                                    |                         |                        |  |                                                |
| 7     | 7          |     |             |                 |              |                                                                                    |                         |                        |  |                                                |
|       | 11         |     |             |                 |              |                                                                                    |                         |                        |  |                                                |
|       | 3          | S-6 | 10-12       | 16              | 60           | same.                                                                              | 8                       |                        |  | cement/bentonite grout from 2.5 to 39 ft.      |
| 7     |            |     |             |                 |              |                                                                                    |                         |                        |  |                                                |
| 9     |            |     |             |                 |              |                                                                                    |                         |                        |  |                                                |
| 8     | 13         |     |             |                 |              |                                                                                    |                         |                        |  |                                                |
|       | 2          | S-7 | 12-14       | 10              | 65           | same.                                                                              | 1                       |                        |  |                                                |
|       | 5          |     |             |                 |              |                                                                                    |                         |                        |  |                                                |
| 9     | 5          |     |             |                 |              |                                                                                    |                         |                        |  |                                                |
|       | 5          |     |             |                 |              |                                                                                    |                         |                        |  |                                                |
|       | 1          | S-8 | 14-16       | 3               | 60           | Grades to soft, moist. Grades to some fine Sand.                                   | ND                      |                        |  |                                                |
| 10    | 1          |     |             |                 |              | [LACUSTRINE] 15.0'                                                                 |                         |                        |  |                                                |
|       | 2          |     |             |                 |              | [UPPER TILL]                                                                       |                         |                        |  |                                                |
|       | 3          |     |             |                 |              |                                                                                    |                         |                        |  |                                                |
| 11    | 1          | S-9 | 16-18       | 7               | 10           | Loose brown, fine to coarse SAND, moist.                                           | ND                      |                        |  |                                                |

LEGEND  
S - Split Spoon Soil Sample  
U - Undisturbed Soil Sample  
C - Rock Core Sample

NOTES: (1) Organic Vapor Meter (OVM) reading of headspace using H-Nu PI-101 photoionization detector. ND=not detected above 1 ppm.

GENERAL 1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.  
NOTES: 2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER MAY OCCUR DUE TO OTHER FACTORS THAN THOSE PRESENT AT THE TIME MEASUREMENTS WERE MADE.

GZA

BORING No. OW-4R

| DEPTH<br>H | SAMPLE        |      |                |                    |                 | SAMPLE DESCRIPTION                                                            | Peak<br>OVM<br>Read<br>(PPM) | EQUIPMENT<br>INSTALLATION<br>LOG |  | NOTES |
|------------|---------------|------|----------------|--------------------|-----------------|-------------------------------------------------------------------------------|------------------------------|----------------------------------|--|-------|
|            | BLOWS<br>/ 6" | NO.  | DEPTH<br>(FT.) | N-VALUE<br>/RQD(%) | RECOVERY<br>(%) |                                                                               |                              |                                  |  |       |
| 17         | 2             |      |                |                    |                 | [UPPER TILL]                                                                  |                              |                                  |  |       |
|            | 5             |      |                |                    |                 |                                                                               |                              |                                  |  |       |
| 18         | 5             |      |                |                    |                 |                                                                               |                              |                                  |  |       |
|            | 7             | S-10 | 18-20          | 20                 | 100             | Medium dense, Grey, fine to coarse SAND, trace Gravel, wet.                   | ND                           |                                  |  |       |
| 19         | 8             |      |                |                    |                 |                                                                               |                              |                                  |  |       |
|            | 12            |      |                |                    |                 | [UPPER TILL]                                                                  |                              |                                  |  |       |
| 20         | 15            |      |                |                    |                 |                                                                               |                              |                                  |  |       |
|            | 2             | S-11 | 20-22          | 15                 | 100             | same.                                                                         | ND                           |                                  |  |       |
| 21         | 7             |      |                |                    |                 |                                                                               |                              |                                  |  |       |
|            | 8             |      |                |                    |                 |                                                                               |                              |                                  |  |       |
| 22         | 8             |      |                |                    |                 |                                                                               |                              |                                  |  |       |
|            | 6             | S-12 | 22-24          | 22                 | 100             | same.                                                                         | ND                           |                                  |  |       |
| 23         | 13            |      |                |                    |                 |                                                                               |                              |                                  |  |       |
|            | 9             |      |                |                    |                 | [UPPER TILL] 23.5'                                                            |                              |                                  |  |       |
| 24         | 9             |      |                |                    |                 | Medium dense, Gray, fine to coarse SAND, little clayey Silt, moist.           | ND                           |                                  |  |       |
|            | 10            | S-13 | 24-26          | 57                 | 100             | same, grades Very Dense, moist.                                               | ND                           |                                  |  |       |
| 25         | 19            |      |                |                    |                 |                                                                               |                              |                                  |  |       |
|            | 38            |      |                |                    |                 |                                                                               |                              |                                  |  |       |
| 26         | 51            |      |                |                    |                 | [LOWER TILL]                                                                  |                              |                                  |  |       |
|            | 48            | S-14 | 26-26.9        | >100               | 100             | Very dense, Gray, fine to coarse SAND, some clayey Silt, trace Gravel, moist. | ND                           |                                  |  |       |
| 27         | 100/5*        |      |                |                    |                 |                                                                               |                              |                                  |  |       |
|            |               |      |                |                    |                 | [LOWER TILL]                                                                  |                              |                                  |  |       |
| 28         |               |      |                |                    |                 |                                                                               |                              |                                  |  |       |
|            | 41            | S-15 | 28-29.5        | >100               | 100             | same, with a medium Sand parting 28.0 to 28.7 ft.                             | ND                           |                                  |  |       |
| 29         | 50            |      |                |                    |                 |                                                                               |                              |                                  |  |       |
|            | 100/6*        |      |                |                    |                 |                                                                               |                              |                                  |  |       |
| 30         |               |      |                |                    |                 |                                                                               |                              |                                  |  |       |
|            | 48            | S-16 | 30-30.9        | >100               | 100             | same, except without sand partings, moist.                                    | ND                           |                                  |  |       |
| 31         | 100/5*        |      |                |                    |                 |                                                                               |                              |                                  |  |       |
|            |               |      |                |                    |                 |                                                                               |                              |                                  |  |       |
| 32         |               |      |                |                    |                 |                                                                               |                              |                                  |  |       |
|            | 56            | S-17 | 32-33          | >100               | 100             | same.                                                                         | ND                           |                                  |  |       |
| 33         | 100/6*        |      |                |                    |                 |                                                                               |                              |                                  |  |       |
|            |               |      |                |                    |                 |                                                                               |                              |                                  |  |       |
| 34         |               |      |                |                    |                 |                                                                               |                              |                                  |  |       |
|            | 64            | S-18 | 34-35          | >100               | 100             | same.                                                                         | ND                           |                                  |  |       |
| 35         | 100/6*        |      |                |                    |                 |                                                                               |                              |                                  |  |       |
|            |               |      |                |                    |                 |                                                                               |                              |                                  |  |       |
|            |               |      |                |                    |                 | [LOWER TILL]                                                                  |                              |                                  |  |       |
| 36         |               |      |                |                    |                 |                                                                               |                              |                                  |  |       |
|            | 26            | S-19 | 36-37.5        | >100               | 100             | same.                                                                         | ND                           |                                  |  |       |

LEGEND  
S - Split Spoon Soil Sample  
U - Undisturbed Soil Sample  
C - Rock Core Sample

NOTES: (1) Organic Vapor Meter (OVM) reading of headspace using H-Nu PI-101 photoionization detector. ND=not detected above 1 ppm.

GENERAL 1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.  
NOTES: 2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED. FLUCTUATIONS OF GROUNDWATER MAY OCCUR DUE TO OTHER FACTORS THAN THOSE PRESENT AT THE TIME MEASUREMENTS WERE MADE.

GZA GEOENVIRONMENTAL OF NEW YORK  
364 NAGEL DRIVE, BUFFALO, NEW YORK

ENGINEERS AND SCIENTISTS

PROJECT  
Stuart-Oliver-Holtz  
Rochester, New York

BORING No. OW-4R  
SHEET 3 OF 3  
FILE No. 19078.10  
CHKD. BY

| DEPTH | SAMPLE        |      |                |                    |                 | SAMPLE DESCRIPTION                                                                                                     | (1)<br>PEAK<br>OVM<br>READ<br>(PPM) | EQUIPMENT    |     | NOTES                                                                |
|-------|---------------|------|----------------|--------------------|-----------------|------------------------------------------------------------------------------------------------------------------------|-------------------------------------|--------------|-----|----------------------------------------------------------------------|
|       | BLOWS<br>/ 6" | NO.  | DEPTH<br>(FT.) | N-VALUE<br>/RQD(%) | RECOVERY<br>(%) |                                                                                                                        |                                     | INSTALLATION | LOG |                                                                      |
| 37    | 42            |      |                |                    |                 | Very dense, grey to green,<br>SILT with rock fragments,<br>moist.                                                      | ND                                  |              |     |                                                                      |
|       | 100/6         |      |                |                    |                 |                                                                                                                        |                                     |              |     |                                                                      |
| 38    | 36            | S-20 | 38-38.9        | >100               | 100             | Very dense, Grey to green,<br>CLAY & SILT and weathered<br>rock fragments, moist.                                      | ND                                  |              |     |                                                                      |
|       | 100/5         |      |                |                    |                 |                                                                                                                        |                                     |              |     |                                                                      |
| 39    |               |      |                |                    |                 | [LOWER TILL]                                                                                                           |                                     |              |     |                                                                      |
|       |               |      |                |                    |                 |                                                                                                                        |                                     |              |     |                                                                      |
| 40    | 13            | S-21 | 40-42          | 63                 | 75              | Very dense, mottled red to<br>green, CLAY & SILT, trace<br>fine to coarse SAND,<br>weathered rock fragments,<br>moist. | ND                                  |              |     |                                                                      |
|       | 25            |      |                |                    |                 |                                                                                                                        |                                     |              |     |                                                                      |
| 41    | 38            |      |                |                    |                 | same.                                                                                                                  |                                     |              |     |                                                                      |
|       | 46            |      |                |                    |                 |                                                                                                                        |                                     |              |     |                                                                      |
| 42    | 10            | S-22 | 42-44          | 53                 | 75              | same.                                                                                                                  | ND                                  |              |     | bentonite pellet seal<br>from 39 to 42 ft.                           |
|       | 16            |      |                |                    |                 |                                                                                                                        |                                     |              |     |                                                                      |
| 43    | 37            |      |                |                    |                 | same, grades grey to red<br>moist to wet.<br>[LOWER TILL] 44.7'                                                        |                                     |              |     |                                                                      |
|       | 70            |      |                |                    |                 |                                                                                                                        |                                     |              |     |                                                                      |
| 44    | 19            | S-23 | 44-44.8        | >100               | 100             | same, grades grey to red<br>moist to wet.<br>[LOWER TILL] 44.7'                                                        | ND                                  |              |     |                                                                      |
|       | 100/3         |      |                |                    |                 |                                                                                                                        |                                     |              |     |                                                                      |
| 45    |               |      |                |                    |                 | Grey weathered rock<br>fragments.                                                                                      |                                     |              |     |                                                                      |
|       |               |      |                |                    |                 |                                                                                                                        |                                     |              |     |                                                                      |
| 46    | 44            | S-24 | 46-46.8        | >100               | 100             | [SEVERELY WEATHERED BEDROCK]<br>Very dense, grey to green,<br>weathered rock fragments,<br>moist.                      | ND                                  |              |     | No. 10 slot<br>stainless steel well<br>screen from 44 to<br>48.5 ft. |
|       | 100/3         |      |                |                    |                 |                                                                                                                        |                                     |              |     |                                                                      |
| 47    |               |      |                |                    |                 | same, moist.                                                                                                           |                                     |              |     |                                                                      |
|       |               |      |                |                    |                 |                                                                                                                        |                                     |              |     |                                                                      |
| 48    | 100/5         | S-25 | 48-48.4        | >100               | 100             | same, moist.                                                                                                           | ND                                  |              |     |                                                                      |
|       |               |      |                |                    |                 |                                                                                                                        |                                     |              |     |                                                                      |
| 49    |               |      |                |                    |                 | same, moist.                                                                                                           |                                     |              |     |                                                                      |
|       |               |      |                |                    |                 |                                                                                                                        |                                     |              |     |                                                                      |
| 50    | 100/3         | S-26 | 50-50.3        | >100               | 100             | SEVERELY WEATHERED BEDROCK<br>Bottom of boring at 50.3'.                                                               | ND                                  |              |     | stainless steel sump<br>from 48.5 to 49 ft.                          |
|       |               |      |                |                    |                 |                                                                                                                        |                                     |              |     |                                                                      |
|       |               |      |                |                    |                 |                                                                                                                        |                                     |              |     |                                                                      |
|       |               |      |                |                    |                 |                                                                                                                        |                                     |              |     |                                                                      |
|       |               |      |                |                    |                 |                                                                                                                        |                                     |              |     |                                                                      |
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|       |               |      |                |                    |                 |                                                                                                                        |                                     |              |     |                                                                      |
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|       |               |      |                |                    |                 |                                                                                                                        |                                     |              |     |                                                                      |
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|       |               |      |                |                    |                 |                                                                                                                        |                                     |              |     |                                                                      |
|       |               |      |                |                    |                 |                                                                                                                        |                                     |              |     |                                                                      |
|       |               |      |                |                    |                 |                                                                                                                        |                                     |              |     |                                                                      |
|       |               |      |                |                    |                 |                                                                                                                        |                                     |              |     |                                                                      |
|       |               |      |                |                    |                 |                                                                                                                        |                                     |              |     |                                                                      |
|       |               |      |                |                    |                 |                                                                                                                        |                                     |              |     |                                                                      |
|       |               |      |                |                    |                 |                                                                                                                        |                                     |              |     |                                                                      |
|       |               |      |                |                    |                 |                                                                                                                        |                                     |              |     |                                                                      |
|       |               |      |                |                    |                 |                                                                                                                        |                                     |              |     |                                                                      |
|       |               |      |                |                    |                 |                                                                                                                        |                                     |              |     |                                                                      |
|       |               |      |                |                    |                 |                                                                                                                        |                                     |              |     |                                                                      |
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|       |               |      |                |                    |                 |                                                                                                                        |                                     |              |     |                                                                      |
|       |               |      |                |                    |                 |                                                                                                                        |                                     |              |     |                                                                      |
|       |               |      |                |                    |                 |                                                                                                                        |                                     |              |     |                                                                      |
|       |               |      |                |                    |                 |                                                                                                                        |                                     |              |     |                                                                      |
|       |               |      |                |                    |                 |                                                                                                                        |                                     |              |     |                                                                      |
|       |               |      |                |                    |                 |                                                                                                                        |                                     |              |     |                                                                      |
|       |               |      |                |                    |                 |                                                                                                                        |                                     |              |     |                                                                      |
|       |               |      |                |                    |                 |                                                                                                                        |                                     |              |     |                                                                      |
|       |               |      |                |                    |                 |                                                                                                                        |                                     |              |     |                                                                      |
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|       |               |      |                |                    |                 |                                                                                                                        |                                     |              |     |                                                                      |
|       |               |      |                |                    |                 |                                                                                                                        |                                     |              |     |                                                                      |
|       |               |      |                |                    |                 |                                                                                                                        |                                     |              |     |                                                                      |
|       |               |      |                |                    |                 |                                                                                                                        |                                     |              |     |                                                                      |
|       |               |      |                |                    |                 |                                                                                                                        |                                     |              |     |                                                                      |
|       |               |      |                |                    |                 |                                                                                                                        |                                     |              |     |                                                                      |
|       |               |      |                |                    |                 |                                                                                                                        |                                     |              |     |                                                                      |
|       |               |      |                |                    |                 |                                                                                                                        |                                     |              |     |                                                                      |
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|       |               |      |                |                    |                 |                                                                                                                        |                                     |              |     |                                                                      |
|       |               |      |                |                    |                 |                                                                                                                        |                                     |              |     |                                                                      |
|       |               |      |                |                    |                 |                                                                                                                        |                                     |              |     |                                                                      |
|       |               |      |                |                    |                 |                                                                                                                        |                                     |              |     |                                                                      |
|       |               |      |                |                    |                 |                                                                                                                        |                                     |              |     |                                                                      |
|       |               |      |                |                    |                 |                                                                                                                        |                                     |              |     |                                                                      |
|       |               |      |                |                    |                 |                                                                                                                        |                                     |              |     |                                                                      |
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|       |               |      |                |                    |                 |                                                                                                                        |                                     |              |     |                                                                      |
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|       |               |      |                |                    |                 |                                                                                                                        |                                     |              |     |                                                                      |
|       |               |      |                |                    |                 |                                                                                                                        |                                     |              |     |                                                                      |
|       |               |      |                |                    |                 |                                                                                                                        |                                     |              |     |                                                                      |
|       |               |      |                |                    |                 |                                                                                                                        |                                     |              |     |                                                                      |
|       |               |      |                |                    |                 |                                                                                                                        |                                     |              |     |                                                                      |



GZA GEOENVIRONMENTAL OF NEW YORK  
364 NAGEL DRIVE, BUFFALO, NEW YORK  
ENGINEERS AND SCIENTISTS

PROJECT  
Stuart-Oliver-Holtz  
Rochester, New York

BORING No. OW-5S  
SHEET 1 OF 2  
FILE No. 19078.10  
CHKD. BY

CONTRACTOR Nothnagle Drilling  
DRILLER Steve Lorantz  
GZA GEOENVIRONMENTAL REPRESENTATIVE Dave Belaskas

BORING LOCATION N751367.00 E751367.00  
GROUND SURFACE ELEVATION 526.9 DAYUM NGVD  
START DATE 11/1/94 END DATE 11/2/94

TYPE OF DRILL RIG CME-75

CASING SIZE AND TYPE 6-1/4 inch Hollow Stem Augers

OVERBURDEN SAMPLING METHOD 2 inch O.D. x 24" long split spoon

ROCK DRILLING METHOD

#### WATER LEVEL DATA

| DATE    | TIME | WATER | CASING | REMARKS             |
|---------|------|-------|--------|---------------------|
| 11/1/94 | 1600 | Dry   | 12'    | Stabilized 10 mins. |
| 11/2/94 | 0800 | Dry   | 12'    | Stabilized 16 hrs.  |
| 11/2/94 | 1030 | Dry   | 28'    | Stabilized 0.5 hrs. |

| DEPTH | SAMPLE        |     |                |                    |                 | (1)<br>Peak<br>OVM<br>Read<br>(ppm) | EQUIPMENT |     | NOTES                                                  |
|-------|---------------|-----|----------------|--------------------|-----------------|-------------------------------------|-----------|-----|--------------------------------------------------------|
|       | BLOWS<br>/ 6" | NO. | DEPTH<br>(FT.) | N-VALUE<br>/RQD(%) | RECOVERY<br>(%) |                                     | I         | N   |                                                        |
|       |               |     |                |                    |                 |                                     | STALLAT   | LOG |                                                        |
| 1     | 1             | S-1 | 0-2            | 9                  | 50              | ND                                  |           |     | 6 inch OD protective casing                            |
|       | 4             |     |                |                    |                 |                                     |           |     | Concrete surface seal to 2.5 ft.                       |
|       | 5             |     |                |                    |                 |                                     |           |     |                                                        |
| 2     | 6             |     |                |                    |                 |                                     |           |     |                                                        |
| 3     | 5             | S-2 | 2-4            | 14                 | 45              | ND                                  |           |     | Cement/bentonite grout from 2.5 to 7 ft.               |
|       | 5             |     |                |                    |                 |                                     |           |     |                                                        |
|       | 9             |     |                |                    |                 |                                     |           |     |                                                        |
| 4     | 5             |     |                |                    |                 |                                     |           |     |                                                        |
|       | 4             | S-3 | 4-6            | 17                 | 65              | ND                                  |           |     |                                                        |
|       | 6             |     |                |                    |                 |                                     |           |     |                                                        |
| 5     | 11            |     |                |                    |                 |                                     |           |     | 4 inch OD flush couple black steel riser to 12 ft.     |
|       | 15            |     |                |                    |                 |                                     |           |     |                                                        |
| 6     | 4             | S-4 | 6-8            | 18                 | 55              | ND                                  |           |     |                                                        |
|       | 8             |     |                |                    |                 |                                     |           |     |                                                        |
| 7     | 10            |     |                |                    |                 |                                     |           |     |                                                        |
|       | 15            |     |                |                    |                 |                                     |           |     | Bentonite pellet seal from 7 to 10 ft.                 |
| 8     | 4             | S-5 | 8-10           | 17                 | 65              | ND                                  |           |     |                                                        |
|       | 8             |     |                |                    |                 |                                     |           |     |                                                        |
| 9     | 9             |     |                |                    |                 |                                     |           |     |                                                        |
|       | 16            |     |                |                    |                 |                                     |           |     |                                                        |
| 10    | 4             | S-6 | 10-12          | 26                 | 65              | ND                                  |           |     | No.00 size sand filter pack sand from 10 to 23 ft.     |
|       | 11            |     |                |                    |                 |                                     |           |     |                                                        |
|       | 15            |     |                |                    |                 |                                     |           |     |                                                        |
| 12    | 8             | S-7 | 12-14          | 47                 | 50              | ND                                  |           |     |                                                        |
|       | 18            |     |                |                    |                 |                                     |           |     |                                                        |
| 13    | 29            |     |                |                    |                 |                                     |           |     |                                                        |
|       | 36            |     |                |                    |                 |                                     |           |     |                                                        |
| 14    | 6             | S-8 | 14-16          | 57                 | 100             | ND                                  |           |     | No. 10 slot stainless steel screen from 12 to 21.5 ft. |
|       | 10            |     |                |                    |                 |                                     |           |     |                                                        |
| 15    | 47            |     |                |                    |                 |                                     |           |     |                                                        |
|       | 85            |     |                |                    |                 |                                     |           |     |                                                        |
| 16    | 28            | S-9 | 16-16.9        | >100               | 100             | ND                                  |           |     |                                                        |

#### LEGEND

S - Split Spoon Soil Sample  
U - Undisturbed Soil Sample  
C - Rock Core Sample

NOTES: (1) Organic Vapor Meter (OVM) reading of headspace using H-Nu PI-101 photoionization detector. ND=not detected above 1 ppm.

GENERAL 1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.  
NOTES: 2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER MAY OCCUR DUE TO OTHER FACTORS THAN THOSE PRESENT AT THE TIME MEASUREMENTS WERE MADE.

GZA

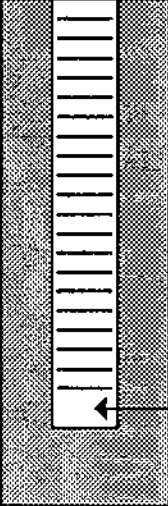
BORING No. OW-5S

GZA GEOENVIRONMENTAL OF NEW YORK  
364 MAGEL DRIVE, BUFFALO, NEW YORK

ENGINEERS AND SCIENTISTS

PROJECT  
Stuart-Oliver-Holtz  
Rochester, New York

BORING No. OW-5S  
SHEET 2 OF 2  
FILE No. 19078.10  
CHKD. BY \_\_\_\_\_

| DEPTH | SAMPLE        |      |                |                    |                 | SAMPLE DESCRIPTION                                                             | (1)<br>Peak<br>OVM<br>Read<br>(PPM) | EQUIPMENT                                                                           |                                              | NOTES |
|-------|---------------|------|----------------|--------------------|-----------------|--------------------------------------------------------------------------------|-------------------------------------|-------------------------------------------------------------------------------------|----------------------------------------------|-------|
|       | BLOWS<br>/ 6" | NO.  | DEPTH<br>(FT.) | N-VALUE<br>/RQD(%) | RECOVERY<br>(%) |                                                                                |                                     | INSTALLATION<br>LOG                                                                 |                                              |       |
| 17    | 100/5*        |      |                |                    |                 | [LOWER TILL]                                                                   | ND                                  |  |                                              |       |
| 18    |               |      |                |                    |                 |                                                                                |                                     |                                                                                     |                                              |       |
|       | 30            | S-10 | 18-18.8        | >100               | 90              | Very dense, brown, fine to coarse SAND, some Clayey Silt, trace gravel, moist. | ND                                  |                                                                                     |                                              |       |
| 19    | 100/4*        |      |                |                    |                 |                                                                                |                                     |                                                                                     |                                              |       |
|       |               |      |                |                    |                 |                                                                                |                                     |                                                                                     |                                              |       |
| 20    |               |      |                |                    |                 |                                                                                |                                     |                                                                                     |                                              |       |
|       | 37            | S-11 | 20-20.9        | >100               | 95              | same.                                                                          | ND                                  |                                                                                     |                                              |       |
| 21    | 100/5*        |      |                |                    |                 |                                                                                |                                     |                                                                                     |                                              |       |
|       |               |      |                |                    |                 |                                                                                |                                     |                                                                                     |                                              |       |
|       |               |      |                |                    |                 |                                                                                |                                     |                                                                                     |                                              |       |
| 22    |               |      |                |                    |                 |                                                                                |                                     |                                                                                     |                                              |       |
|       | 26            | S-12 | 22-23          | >100               | 100             | same.                                                                          | ND                                  |                                                                                     | ← stainless steel sump<br>21.5 to 22 ft.     |       |
| 23    | 100/6*        |      |                |                    |                 |                                                                                |                                     |                                                                                     |                                              |       |
|       |               |      |                |                    |                 |                                                                                |                                     |                                                                                     |                                              |       |
|       |               |      |                |                    |                 | [LOWER TILL]                                                                   |                                     |                                                                                     |                                              |       |
| 24    |               |      |                |                    |                 |                                                                                |                                     |                                                                                     |                                              |       |
|       | 26            | S-13 | 24-26          | 60                 | 100             | same.                                                                          | ND                                  |                                                                                     | ← Bentonite pellet seal<br>from 23 to 30 ft. |       |
| 25    | 27            |      |                |                    |                 |                                                                                |                                     |                                                                                     |                                              |       |
|       | 33            |      |                |                    |                 |                                                                                |                                     |                                                                                     |                                              |       |
| 26    | 37            |      |                |                    |                 |                                                                                |                                     |                                                                                     |                                              |       |
|       | 30            | S-14 | 26-27.4        | >100               | 100             | same grades to little<br>Clayey Silt, moist.                                   | ND                                  |                                                                                     |                                              |       |
| 27    | 48            |      |                |                    |                 |                                                                                |                                     |                                                                                     |                                              |       |
|       | 100/5*        |      |                |                    |                 |                                                                                |                                     |                                                                                     |                                              |       |
|       |               |      |                |                    |                 |                                                                                |                                     |                                                                                     |                                              |       |
| 28    |               |      |                |                    |                 |                                                                                |                                     |                                                                                     |                                              |       |
|       | 48            | S-15 | 28-29          | >100               | 100             | same.                                                                          | ND                                  |                                                                                     |                                              |       |
| 29    | 100/6*        |      |                |                    |                 |                                                                                |                                     |                                                                                     |                                              |       |
|       |               |      |                |                    |                 |                                                                                |                                     |                                                                                     |                                              |       |
|       |               |      |                |                    |                 |                                                                                |                                     |                                                                                     |                                              |       |
| 30    |               |      |                |                    |                 | [LOWER TILL]                                                                   |                                     |                                                                                     |                                              |       |
|       |               |      |                |                    |                 | Bottom of boring at 30.0'.                                                     |                                     |                                                                                     |                                              |       |
| 31    |               |      |                |                    |                 |                                                                                |                                     |                                                                                     |                                              |       |
|       |               |      |                |                    |                 |                                                                                |                                     |                                                                                     |                                              |       |
| 32    |               |      |                |                    |                 |                                                                                |                                     |                                                                                     |                                              |       |
|       |               |      |                |                    |                 |                                                                                |                                     |                                                                                     |                                              |       |
|       |               |      |                |                    |                 |                                                                                |                                     |                                                                                     |                                              |       |
| 33    |               |      |                |                    |                 |                                                                                |                                     |                                                                                     |                                              |       |
|       |               |      |                |                    |                 |                                                                                |                                     |                                                                                     |                                              |       |
|       |               |      |                |                    |                 |                                                                                |                                     |                                                                                     |                                              |       |
| 34    |               |      |                |                    |                 |                                                                                |                                     |                                                                                     |                                              |       |
|       |               |      |                |                    |                 |                                                                                |                                     |                                                                                     |                                              |       |
|       |               |      |                |                    |                 |                                                                                |                                     |                                                                                     |                                              |       |
| 35    |               |      |                |                    |                 |                                                                                |                                     |                                                                                     |                                              |       |
|       |               |      |                |                    |                 |                                                                                |                                     |                                                                                     |                                              |       |
|       |               |      |                |                    |                 |                                                                                |                                     |                                                                                     |                                              |       |
| 36    |               |      |                |                    |                 |                                                                                |                                     |                                                                                     |                                              |       |
|       |               |      |                |                    |                 |                                                                                |                                     |                                                                                     |                                              |       |

LEGEND

S - Split Spoon Soil Sample  
U - Undisturbed Soil Sample  
C - Rock Core Sample

NOTES: (1) Organic Vapor Meter (OVM) reading of headspace using H-Nu PI-101 photoionization detector. ND=not detected above 1 ppm.

GENERAL 1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.  
NOTES: 2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER MAY OCCUR DUE TO OTHER FACTORS THAN THOSE PRESENT AT THE TIME MEASUREMENTS WERE MADE.

GZA

BORING No. OW-5S

GZA GEOENVIRONMENTAL OF NEW YORK  
364 NAGEL DRIVE, BUFFALO, NEW YORK  
ENGINEERS AND SCIENTISTS

PROJECT  
Stuart-Oliver-Holtz  
Rochester New York

BORING No. OW-6S  
SHEET 1 OF 2  
FILE No. 19078.10  
CHKD. BY

CONTRACTOR Mothnagle Drilling  
DRILLER Steve Lorantz  
GZA GEOENVIRONMENTAL REPRESENTATIVE Dave Belaskas

BORING LOCATION N1123564.60 E751238.27  
GROUND SURFACE ELEVATION 529.0 DATUM NGVD  
START DATE 11/3/94 END DATE 11/3/94

TYPE OF DRILL RIG CME-75  
CASING SIZE AND TYPE 2-1/4 inch Hollow Stem Augers  
OVERBURDEN SAMPLING METHOD 2 inch OD x 24 inch long  
spilt spoon  
ROCK DRILLING METHOD

WATER LEVEL DATA

| DATE    | TIME | WATER | CASING | REMARKS             |
|---------|------|-------|--------|---------------------|
| 11/3/94 | 1345 | Dry   | 32'    | Stabilized 0.5 hrs. |
|         |      |       |        |                     |
|         |      |       |        |                     |

| DEPTH<br>H | SAMPLE        |     |                |                    |                 | SAMPLE DESCRIPTION                                                            | (1)<br>Peak<br>OVM<br>Read<br>(PPM) | EQUIPMENT |                | NOTES                                                      |
|------------|---------------|-----|----------------|--------------------|-----------------|-------------------------------------------------------------------------------|-------------------------------------|-----------|----------------|------------------------------------------------------------|
|            | BLOWS<br>/ 6" | NO. | DEPTH<br>(FT.) | N-VALUE<br>/RQD(%) | RECOVERY<br>(%) |                                                                               |                                     | I         | STALLAT<br>LOG |                                                            |
| 1          | 1             | S-1 | 0-2            | 11                 | 35              | Medium Dense, brown, fine to coarse SAND, little clayey Silt, moist. (debris) | ND                                  |           |                | 6 inch O.D. protective casing                              |
| 2          | 4             |     |                |                    |                 |                                                                               |                                     |           |                | Concrete surface seal to 2 ft.                             |
| 3          | 7             |     |                |                    |                 |                                                                               |                                     |           |                |                                                            |
| 4          | 9             |     |                |                    |                 |                                                                               |                                     |           |                |                                                            |
| 5          | 7             | S-2 | 2-4            | 13                 | 55              | Same. [FILL] 2.6'                                                             | 1                                   |           |                | Cement/bentonite grout from 2 to 4 ft.                     |
| 6          | 8             |     |                |                    |                 |                                                                               |                                     |           |                |                                                            |
| 7          | 5             |     |                |                    |                 |                                                                               |                                     |           |                |                                                            |
| 8          | 13            |     |                |                    |                 | [LACUSTRINE]                                                                  |                                     |           |                | 4 inch O.D., flush couple, black steel riser to 9 ft.      |
| 9          | 2             | S-3 | 4-6            | 14                 | 50              | Same.                                                                         | 2                                   |           |                |                                                            |
| 10         | 6             |     |                |                    |                 |                                                                               |                                     |           |                |                                                            |
| 11         | 8             |     |                |                    |                 |                                                                               |                                     |           |                |                                                            |
| 12         | 12            |     |                |                    |                 |                                                                               |                                     |           |                |                                                            |
| 13         | 8             | S-4 | 6-8            | 15                 | 50              | Same, except grades to trace gravel.                                          | 7                                   |           |                | Bentonite pellet seal from 4 to 7 ft.                      |
| 14         | 7             |     |                |                    |                 |                                                                               |                                     |           |                |                                                            |
| 15         | 8             |     |                |                    |                 |                                                                               |                                     |           |                |                                                            |
| 16         | 13            |     |                |                    |                 |                                                                               |                                     |           |                | No. 00 size sand filter pack from 7 to 15 ft.              |
| 17         | 6             | S-5 | 8-10           | 24                 | 90              | [LACUSTRINE] 8.4'                                                             | 7                                   |           |                |                                                            |
| 18         | 12            |     |                |                    |                 |                                                                               |                                     |           |                |                                                            |
| 19         | 12            |     |                |                    |                 | Medium dense, brown fine to coarse SAND, wet.                                 |                                     |           |                |                                                            |
| 20         | 15            |     |                |                    |                 | [UPPER TILL]                                                                  |                                     |           |                |                                                            |
| 21         | 6             | S-6 | 10-12          | 42                 | 75              | Same, except dense, wet.                                                      | 5                                   |           |                | No. 10 slot stainless steel well screen from 9 to 13.5 ft. |
| 22         | 20            |     |                |                    |                 | (SAND STRATUM AT 8.4 to 11.0 ft.)                                             |                                     |           |                |                                                            |
| 23         | 22            |     |                |                    |                 |                                                                               |                                     |           |                |                                                            |
| 24         | 24            |     |                |                    |                 |                                                                               |                                     |           |                |                                                            |
| 25         | 8             | S-7 | 12-14          | 80                 | 75              | Very Dense, Grey fine to coarse SAND and SILT, trace Gravel, moist.           | ND                                  |           |                |                                                            |
| 26         | 24            |     |                |                    |                 |                                                                               |                                     |           |                |                                                            |
| 27         | 56            |     |                |                    |                 | [UPPER TILL]                                                                  |                                     |           |                |                                                            |
| 28         | 30            |     |                |                    |                 |                                                                               |                                     |           |                |                                                            |
| 29         | 6             | S-8 | 14-16          | 32                 | 75              | Dense, grey, fine to coarse SAND, some clayey Silt, moist.                    | ND                                  |           |                |                                                            |
| 30         | 17            |     |                |                    |                 |                                                                               |                                     |           |                |                                                            |
| 31         | 15            |     |                |                    |                 | [UPPER TILL]                                                                  |                                     |           |                |                                                            |
| 32         | 30            |     |                |                    |                 |                                                                               |                                     |           |                |                                                            |
| 33         | 3             | S-9 | 16-18          | 75                 | 35              | Gray, very dense.                                                             | ND                                  |           |                |                                                            |

LEGEND  
S - Split Spoon Soil Sample  
U - Undisturbed Soil Sample  
C - Rock Core Sample

NOTES: Organic Vapor Meter (OVM) reading of headspace using H-Nu PI-101 photoionization detector.  
ND-not detected above 1 ppm.

GENERAL 1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.  
NOTES: 2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER MAY OCCUR DUE TO OTHER FACTORS THAN THOSE PRESENT AT THE TIME MEASUREMENTS WERE MADE.

GZA

BORING No. OW-6S

GZA GEOENVIRONMENTAL OF NEW YORK  
364 NAGEL DRIVE, BUFFALO, NEW YORK  
ENGINEERS AND SCIENTISTS

PROJECT  
Stuart-Oliver-Holtz  
Rochester, New York

BORING No. OW-6S  
SHEET 2 OF 2  
FILE No. 19078.10  
CHKD. BY

| DEPTH | SAMPLE     |      |             |                   |              | SAMPLE DESCRIPTION                                                            | Peak OVM Read (PPM) | EQUIPMENT INSTALLATION LOG | NOTES                                |
|-------|------------|------|-------------|-------------------|--------------|-------------------------------------------------------------------------------|---------------------|----------------------------|--------------------------------------|
|       | BLOWS / 6" | NO.  | DEPTH (FT.) | N-VALUE / RQD (%) | RECOVERY (%) |                                                                               |                     |                            |                                      |
| 17    | 30         |      |             |                   |              |                                                                               | ND                  |                            |                                      |
|       | 45         |      |             |                   |              |                                                                               |                     |                            |                                      |
| 18    | 28         |      |             |                   |              |                                                                               |                     |                            |                                      |
|       | 9          | S-10 | 18-20       | 46                | 85           | Dense, Grey, fine to coarse SAND, some Clayey Silt, trace Gravel, moist.      | 2                   |                            | ← Bentonite seal from 15 to 33.4 ft. |
| 19    | 16         |      |             |                   |              |                                                                               |                     |                            |                                      |
|       | 30         |      |             |                   |              |                                                                               |                     |                            |                                      |
|       | 30         |      |             |                   |              |                                                                               |                     |                            |                                      |
| 20    | 9          | S-11 | 20-22       | 58                | 60           | grades very dense.                                                            | T                   |                            |                                      |
| 21    | 21         |      |             |                   |              |                                                                               |                     |                            |                                      |
|       | 37         |      |             |                   |              |                                                                               |                     |                            |                                      |
|       | 41         |      |             |                   |              |                                                                               |                     |                            |                                      |
| 22    | 11         | S-12 | 22-23.8     | 74                | 75           | [UPPER TILL] 22.5'                                                            | T                   |                            |                                      |
| 23    | 28         |      |             |                   |              | Very dense, gray, fine to coarse SAND, some Clayey Silt, trace Gravel, moist. |                     |                            |                                      |
|       | 46         |      |             |                   |              |                                                                               |                     |                            |                                      |
|       | 100/3*     |      |             |                   |              | [LOWER TILL]                                                                  |                     |                            |                                      |
| 24    | 37         | S-13 | 24-24.9     | >100              | 90           | Same, moist.                                                                  | T                   |                            |                                      |
|       | 100/5*     |      |             |                   |              |                                                                               |                     |                            |                                      |
| 25    |            |      |             |                   |              |                                                                               |                     |                            |                                      |
|       |            |      |             |                   |              |                                                                               |                     |                            |                                      |
| 26    | 51         | S-14 | 26-26.7     | >100              | 100          | Same.                                                                         | ND                  |                            |                                      |
|       | 100/2*     |      |             |                   |              |                                                                               |                     |                            |                                      |
| 27    |            |      |             |                   |              |                                                                               |                     |                            |                                      |
|       |            |      |             |                   |              | [LOWER TILL]                                                                  |                     |                            |                                      |
| 28    | 16         | S-15 | 28-30       | >100              | 65           | Same grades fine to coarse SAND.                                              | T                   |                            |                                      |
|       | 56         |      |             |                   |              |                                                                               |                     |                            |                                      |
| 29    | 47         |      |             |                   |              |                                                                               |                     |                            |                                      |
|       | 66         |      |             |                   |              |                                                                               |                     |                            |                                      |
| 30    | 22         | S-16 | 30-32       | 60                | 75           | Same.                                                                         | T                   |                            |                                      |
|       | 31         |      |             |                   |              |                                                                               |                     |                            |                                      |
| 31    | 29         |      |             |                   |              |                                                                               |                     |                            |                                      |
|       | 53         |      |             |                   |              |                                                                               |                     |                            |                                      |
| 32    | 47         | S-17 | 32-33.4     | >100              | 75           | Same.                                                                         | 1.2<br>2            |                            |                                      |
|       | 54         |      |             |                   |              |                                                                               |                     |                            |                                      |
| 33    | 100/4*     |      |             |                   |              | [LOWER TILL]                                                                  |                     |                            |                                      |
| 34    |            |      |             |                   |              | Bottom of Boring at 33.4 ft.                                                  |                     |                            |                                      |
| 35    |            |      |             |                   |              |                                                                               |                     |                            |                                      |
| 36    |            |      |             |                   |              |                                                                               |                     |                            |                                      |

LEGEND  
S - Split Spoon Soil Sample  
U - Undisturbed Soil Sample  
C - Rock Core Sample

NOTES:  
Organic Vapor Meter (OVM) reading of headspace using H-NU PI-101 photoionization detector.  
ND-not detected above 1 ppm.

GENERAL 1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.  
NOTES: 2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER MAY OCCUR DUE TO OTHER FACTORS THAN THOSE PRESENT AT THE TIME MEASUREMENTS WERE MADE.

GZA

BORING No. OW-6S

GZA GEOENVIRONMENTAL OF NEW YORK  
364 NAGEL DRIVE, BUFFALO, NEW YORK

ENGINEERS AND SCIENTISTS

PROJECT  
Stuart-Oliver-Holtz  
Rochester, New York

BORING No. OW-7S  
SHEET 1 OF 2  
FILE No. 19078.10  
CHKD. BY

CONTRACTOR Nothnagle Drilling  
DRILLER Steve Lorantz  
GZA GEOENVIRONMENTAL REPRESENTATIVE Dave Belaskas

BORING LOCATION N1123680.01 E751318.87  
GROUND SURFACE ELEVATION 528.1 DATUM NGVD  
START DATE 11/28/94 END DATE 11/28/94

TYPE OF DRILL RIG CME-75

CASING SIZE AND TYPE 2-1/4 inch Hollow Stem Augers

OVERBURDEN SAMPLING METHOD 2 inch O.D. x 24" long split spoon

ROCK DRILLING METHOD

WATER LEVEL DATA

| DATE     | TIME | WATER | CASING | REMARKS          |
|----------|------|-------|--------|------------------|
| 11/28/94 | 1230 | 2'    | 24'    | Stabilized 1 hr. |
|          |      |       |        |                  |
|          |      |       |        |                  |

| DEPTH | SAMPLE     |     |             |                  |              | SAMPLE DESCRIPTION                                                        | Peak OVM Read (ppm) | EQUIPMENT INSTALLATION |  | NOTES                                              |
|-------|------------|-----|-------------|------------------|--------------|---------------------------------------------------------------------------|---------------------|------------------------|--|----------------------------------------------------|
|       | BLOWS / 6" | NO. | DEPTH (FT.) | N-VALUE / RQD(%) | RECOVERY (%) |                                                                           |                     | LOG                    |  |                                                    |
| 1     |            |     |             |                  |              | See OW-7R log for overburden soil descriptions from 0.0' to 8.0 ft.       |                     |                        |  |                                                    |
| 2     |            |     |             |                  |              | [FILL] 2.4'                                                               |                     |                        |  | ← concrete surface seal 0 to 2.5 ft.               |
| 3     |            |     |             |                  |              |                                                                           |                     |                        |  |                                                    |
| 4     |            |     |             |                  |              | Advanced augers to 8.0 ft. without sampling.                              |                     |                        |  |                                                    |
| 5     |            |     |             |                  |              | [LACUSTRINE] 6.4'                                                         |                     |                        |  | ← 4-inch black steel riser pipe from 0 to 25.5 ft. |
| 6     |            |     |             |                  |              |                                                                           |                     |                        |  |                                                    |
| 7     |            |     |             |                  |              | [UPPER TILL]                                                              |                     |                        |  |                                                    |
| 8     | 5          | S-2 | 8-10'       | 36               | 75           | Dense, brown, fine to coarse SAND, some clayey silt, trace gravel, moist. | 6                   |                        |  |                                                    |
| 9     | 15         |     |             |                  |              | [UPPER TILL]                                                              |                     |                        |  | ← cement/bentonite grout from 2.5 to 20.5 ft.      |
| 10    | 21         |     |             |                  |              |                                                                           |                     |                        |  |                                                    |
| 11    | 24         |     |             |                  |              | Advanced augers from 10.0 ft. to 22.0 ft. without sampling.               |                     |                        |  |                                                    |
| 12    |            |     |             |                  |              | (See OW-7R log for overburden soil descriptions.)                         |                     |                        |  |                                                    |
| 13    |            |     |             |                  |              |                                                                           |                     |                        |  |                                                    |
| 14    |            |     |             |                  |              | [UPPER TILL]                                                              |                     |                        |  |                                                    |
| 15    |            |     |             |                  |              |                                                                           |                     |                        |  |                                                    |
| 16    |            |     |             |                  |              |                                                                           |                     |                        |  |                                                    |

LEGEND

S - Split Spoon Soil Sample  
U - Undisturbed Soil Sample  
C - Rock Core Sample

NOTES: Organic Vapor Meter (OVM) reading of headspace using H-Nu PI-101 photoionization detector.  
ND-not detected above 1 ppm.

GENERAL 1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES. TRANSITIONS MAY BE GRADUAL.  
NOTES: 2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER MAY OCCUR DUE TO OTHER FACTORS THAN THOSE PRESENT AT THE TIME MEASUREMENTS WERE MADE.

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BORING No. OW-7S

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364 NAGEL DRIVE, BUFFALO, NEW YORK

ENGINEERS AND SCIENTISTS

PROJECT  
Stuart-Oliver-Holtz  
Rochester, New York

BORING No. OW-7S  
SHEET 2 OF 2  
FILE No. T9078.10  
CHKD. BY

| DEPTH | SAMPLE     |     |             |                 |              | SAMPLE DESCRIPTION                                                           | Peak OVM Read (PPM) | EQUIPMENT INSTALLATION |  | NOTES                                                         |
|-------|------------|-----|-------------|-----------------|--------------|------------------------------------------------------------------------------|---------------------|------------------------|--|---------------------------------------------------------------|
|       | BLOWS / 6" | NO. | DEPTH (FT.) | N-VALUE /RQD(%) | RECOVERY (%) |                                                                              |                     | LOG                    |  |                                                               |
| 17    |            |     |             |                 |              | [UPPER TILL]                                                                 |                     |                        |  |                                                               |
| 18    |            |     |             |                 |              |                                                                              |                     |                        |  |                                                               |
| 19    |            |     |             |                 |              |                                                                              |                     |                        |  |                                                               |
| 20    |            |     |             |                 |              |                                                                              |                     |                        |  |                                                               |
| 21    |            |     |             |                 |              |                                                                              |                     |                        |  |                                                               |
| 22    | 24         | S-2 | 22-22.9     | >100            | 100          | Very dense, grey fine to coarse SAND, some clayey Silt, trace gravel, moist. | ND                  |                        |  | ← Bentonite pellet seal from 20.5 to 23.5 ft.                 |
| 23    | 100/5      |     |             |                 |              |                                                                              |                     |                        |  |                                                               |
|       |            |     |             |                 |              | [UPPER TILL]                                                                 |                     |                        |  |                                                               |
| 24    | 13         | S-3 | 23-24.4     | >100            | 100          | Same.                                                                        | 5                   |                        |  | ← No.00 size sand filter pack from 23.5 to 31 ft.             |
| 25    | 33         |     |             |                 |              |                                                                              |                     |                        |  |                                                               |
|       | 100/5      |     |             |                 |              |                                                                              |                     |                        |  |                                                               |
| 26    | 23         | S-4 | 26-28       | 72              | 100          | Very Dense, grey, fine to coarse SAND, clayey Silt, trace gravel, wet.       | 90                  |                        |  | ← No. 10 slot stainless steel well screen from 25.5 to 30 ft. |
| 27    | 36         |     |             |                 |              |                                                                              |                     |                        |  |                                                               |
|       | 36         |     |             |                 |              | [UPPER TILL]                                                                 |                     |                        |  |                                                               |
| 28    | 40         |     |             |                 |              |                                                                              |                     |                        |  |                                                               |
|       | 24         | S-5 | 28-30       | 55              | 100          | Same.                                                                        | 10                  |                        |  |                                                               |
| 29    | 25         |     |             |                 |              |                                                                              |                     |                        |  |                                                               |
|       | 30         |     |             |                 |              |                                                                              |                     |                        |  |                                                               |
|       | 42         |     |             |                 |              | (Sand stratum 25.0-30.7 ft.)                                                 |                     |                        |  |                                                               |
| 30    | 17         | S-6 | 30-31       | 28              | 100          | [UPPER TILL]                                                                 | 20                  |                        |  | ← stainless steel sump 30 to 30.5 ft.                         |
| 31    | 28         |     |             |                 |              |                                                                              |                     |                        |  |                                                               |
|       |            |     |             |                 |              | Bottom of boring at 31.0 ft.                                                 |                     |                        |  |                                                               |
| 32    |            |     |             |                 |              |                                                                              |                     |                        |  |                                                               |
| 33    |            |     |             |                 |              |                                                                              |                     |                        |  |                                                               |
| 34    |            |     |             |                 |              |                                                                              |                     |                        |  |                                                               |
| 35    |            |     |             |                 |              |                                                                              |                     |                        |  |                                                               |
| 36    |            |     |             |                 |              |                                                                              |                     |                        |  |                                                               |

LEGEND

S - Split Spoon Soil Sample  
U - Undisturbed Soil Sample  
C - Rock Core Sample

NOTES:

Organic Vapor Meter (OVM) reading of headspace using H-KU PI-101 photoionization detector.  
ND-not detected above 1 ppm.

GENERAL 1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.  
NOTES: 2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER MAY OCCUR DUE TO OTHER FACTORS THAN THOSE PRESENT AT THE TIME MEASUREMENTS WERE MADE.

GZA

BORING No. OW-7S

|                                                                                                                                  |  |  |  |                                                                                                                                                                 |  |                                                                                               |  |
|----------------------------------------------------------------------------------------------------------------------------------|--|--|--|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-----------------------------------------------------------------------------------------------|--|
| <b>GZA GEOENVIRONMENTAL OF NEW YORK</b><br>364 NAGEL DRIVE, BUFFALO, NEW YORK<br>ENGINEERS AND SCIENTISTS                        |  |  |  | <b>PROJECT</b><br>Stuart-Oliver-Holtz<br>Rochester, New York                                                                                                    |  | <b>BORING No.</b> OW-7R<br><b>SHEET</b> 1 OF 3<br><b>FILE No.</b> 19078.10<br><b>CHKD. BY</b> |  |
| <b>CONTRACTOR</b> Nothnagle Drilling<br><b>DRILLER</b> Steve Lorentz<br><b>GZA GEOENVIRONMENTAL REPRESENTATIVE</b> Dave Belaskas |  |  |  | <b>BORING LOCATION</b> N1123681.74 E751312.20<br><b>GROUND SURFACE ELEVATION</b> 528.2 <b>DATUM</b> NGVD<br><b>START DATE</b> 11/16/94 <b>END DATE</b> 11/23/94 |  |                                                                                               |  |

| <b>TYPE OF DRILL RIG</b> CME-75<br><b>CASING SIZE AND TYPE</b> 2-1/4 inch Hollow Stem Augers<br><b>OVERBURDEN SAMPLING METHOD</b> 2 inch O.D. x 24" long split spoon<br><b>ROCK DRILLING METHOD</b> |      |       |        |                    | <b>WATER LEVEL DATA</b> <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th>DATE</th> <th>TIME</th> <th>WATER</th> <th>CASING</th> <th>REMARKS</th> </tr> <tr> <td>11/17/94</td> <td>0815</td> <td>7</td> <td>20'</td> <td>Stabilized 16 hrs.</td> </tr> <tr> <td>11/22/94</td> <td>1510</td> <td>10</td> <td>44'</td> <td>" " 15 mins.</td> </tr> </table> |  |  |  |  | DATE | TIME | WATER | CASING | REMARKS | 11/17/94 | 0815 | 7 | 20' | Stabilized 16 hrs. | 11/22/94 | 1510 | 10 | 44' | " " 15 mins. |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------|--------|--------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|------|------|-------|--------|---------|----------|------|---|-----|--------------------|----------|------|----|-----|--------------|
| DATE                                                                                                                                                                                                | TIME | WATER | CASING | REMARKS            |                                                                                                                                                                                                                                                                                                                                                                                    |  |  |  |  |      |      |       |        |         |          |      |   |     |                    |          |      |    |     |              |
| 11/17/94                                                                                                                                                                                            | 0815 | 7     | 20'    | Stabilized 16 hrs. |                                                                                                                                                                                                                                                                                                                                                                                    |  |  |  |  |      |      |       |        |         |          |      |   |     |                    |          |      |    |     |              |
| 11/22/94                                                                                                                                                                                            | 1510 | 10    | 44'    | " " 15 mins.       |                                                                                                                                                                                                                                                                                                                                                                                    |  |  |  |  |      |      |       |        |         |          |      |   |     |                    |          |      |    |     |              |

| DEPTH | SAMPLE     |     |             |                 |              | SAMPLE DESCRIPTION                                                                         | Peak OVM Read (ppm) | EQUIPMENT INSTALLATION |  | NOTES |
|-------|------------|-----|-------------|-----------------|--------------|--------------------------------------------------------------------------------------------|---------------------|------------------------|--|-------|
|       | BLOWS / 6" | NO. | DEPTH (FT.) | N-VALUE /RQD(%) | RECOVERY (%) |                                                                                            |                     | LOG                    |  |       |
| 1     |            | S-1 | 0.5-2       | 19              | 75           | 0.05 Pavement & Subbase                                                                    | ND                  |                        |  |       |
|       | 7          |     |             |                 |              | Medium Dense, brown, fine to coarse SAND, trace clayey Silt, trace gravel, moist.          |                     |                        |  |       |
|       | 12         |     |             |                 |              | [FILL] 2.4'                                                                                |                     |                        |  |       |
| 2     | 15         |     |             |                 |              |                                                                                            |                     |                        |  |       |
|       | 12         | S-2 | 2-4         | 13              | 30           | Stiff, brown CLAY & SILT, trace Sand, moist.                                               | ND                  |                        |  |       |
|       | 6          |     |             |                 |              |                                                                                            |                     |                        |  |       |
| 3     | 7          |     |             |                 |              |                                                                                            |                     |                        |  |       |
|       | 12         |     |             |                 |              | [LACUSTRINE]                                                                               |                     |                        |  |       |
|       | 4          | S-3 | 4-6         | 13              | 75           | Same.                                                                                      | ND                  |                        |  |       |
| 5     | 6          |     |             |                 |              |                                                                                            |                     |                        |  |       |
|       | 7          |     |             |                 |              |                                                                                            |                     |                        |  |       |
|       | 8          |     |             |                 |              |                                                                                            |                     |                        |  |       |
| 6     | 3          | S-4 | 6-8         | 13              | 95           | [LACUSTRINE] 6.4'                                                                          | 15                  |                        |  |       |
|       | 4          |     |             |                 |              | Medium, Dense, brown, fine to coarse SAND, little clayey Silt, trace Gravel, moist to wet. |                     |                        |  |       |
|       | 9          |     |             |                 |              | [UPPER TILL]                                                                               |                     |                        |  |       |
| 8     | 11         |     |             |                 |              |                                                                                            |                     |                        |  |       |
|       | 6          | S-5 | 8-10        | 56              | 95           | same, except grades to some Clayey Silt, moist.                                            | 12                  |                        |  |       |
|       | 26         |     |             |                 |              |                                                                                            |                     |                        |  |       |
| 10    | 30         |     |             |                 |              |                                                                                            |                     |                        |  |       |
|       | 24         |     |             |                 |              |                                                                                            |                     |                        |  |       |
|       | 11         | S-6 | 10-12       | 47              | 95           | same.                                                                                      | 15                  |                        |  |       |
| 11    | 23         |     |             |                 |              |                                                                                            |                     |                        |  |       |
|       | 24         |     |             |                 |              | [UPPER TILL]                                                                               |                     |                        |  |       |
|       | 21         |     |             |                 |              |                                                                                            |                     |                        |  |       |
| 12    | 16         | S-7 | 12-13.5     | >100            | 90           | (SAND STRATUM 6.4 to 12.5 ft.)                                                             | 8                   |                        |  |       |
|       | 36         |     |             |                 |              | Very dense, brown, fine to coarse SAND, little Clayey Silt, trace gravel, moist.           |                     |                        |  |       |
|       | 100/6"     |     |             |                 |              | [UPPER TILL]                                                                               |                     |                        |  |       |
| 14    | 32         | S-8 | 14-15.5     | >100            | 95           | grades to little Clayey Silt, moist.                                                       | 2                   |                        |  |       |
|       | 45         |     |             |                 |              |                                                                                            |                     |                        |  |       |
|       | 100/6"     |     |             |                 |              |                                                                                            |                     |                        |  |       |
| 16    |            |     |             |                 |              |                                                                                            |                     |                        |  |       |
|       | 38         | S-9 | 16-18       | >100            | 70           | grades to some Clayey Silt, moist.                                                         | 9                   |                        |  |       |

|                                                                                                     |                                                                                                                                          |
|-----------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|
| <b>LEGEND</b><br>S - Split Spoon Soil Sample<br>U - Undisturbed Soil Sample<br>C - Rock Core Sample | <b>NOTES:</b> Organic Vapor Meter (OVM) reading of headspace using H-Nu PI-101 photoionization detector.<br>ND-not detected above 1 ppm. |
|-----------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|

|                                                                                                                                                                                                                                                                                                                                       |                         |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|
| <b>GENERAL</b> 1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.<br><b>NOTES:</b> 2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER MAY OCCUR DUE TO OTHER FACTORS THAN THOSE PRESENT AT THE TIME MEASUREMENTS WERE MADE. | <b>BORING No.</b> OW-7R |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|

| DEPTH | SAMPLE     |      |             |                  |              | SAMPLE DESCRIPTION                                                                                                                                                 | Peak OVM Read (PPM) | EQUIPMENT INSTALLATION LOG |  | NOTES                                   |
|-------|------------|------|-------------|------------------|--------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|----------------------------|--|-----------------------------------------|
|       | BLOWS / 6" | NO.  | DEPTH (FT.) | N-VALUE / RQD(%) | RECOVERY (%) |                                                                                                                                                                    |                     |                            |  |                                         |
| 17    | 67         |      |             |                  |              |                                                                                                                                                                    |                     |                            |  |                                         |
|       | 48         |      |             |                  |              |                                                                                                                                                                    |                     |                            |  |                                         |
| 18    | 38         |      |             |                  |              |                                                                                                                                                                    |                     |                            |  |                                         |
|       | 17         | S-10 | 18-19.5     | >100             | 80           | Very Dense, gray fine to coarse Sand, some clayey Silt, trace Gravel, moist.                                                                                       | 1                   |                            |  |                                         |
|       | 38         |      |             |                  |              |                                                                                                                                                                    |                     |                            |  |                                         |
| 19    | 100/6      |      |             |                  |              | [UPPER TILL]                                                                                                                                                       |                     |                            |  |                                         |
|       |            |      |             |                  |              |                                                                                                                                                                    |                     |                            |  |                                         |
| 20    | 35         | S-11 | 20-21       | >100             | 100          | Same, moist.                                                                                                                                                       | ND                  |                            |  |                                         |
|       | 100/6      |      |             |                  |              |                                                                                                                                                                    |                     |                            |  |                                         |
| 21    |            |      |             |                  |              |                                                                                                                                                                    |                     |                            |  |                                         |
|       |            |      |             |                  |              |                                                                                                                                                                    |                     |                            |  |                                         |
| 22    | 32         | S-12 | 22-23       | >100             | 100          | same, except grades to little clayey Silt, moist.                                                                                                                  | 200                 |                            |  |                                         |
|       | 100/6      |      |             |                  |              |                                                                                                                                                                    |                     |                            |  |                                         |
| 23    |            |      |             |                  |              |                                                                                                                                                                    |                     |                            |  |                                         |
|       |            |      |             |                  |              |                                                                                                                                                                    |                     |                            |  |                                         |
| 24    | 26         | S-13 | 24-26       | 72               | 100          | Same.                                                                                                                                                              | 500                 |                            |  |                                         |
|       | 38         |      |             |                  |              | [UPPER TILL]                                                                                                                                                       |                     |                            |  |                                         |
| 25    | 34         |      |             |                  |              |                                                                                                                                                                    |                     |                            |  |                                         |
|       | 24         |      |             |                  |              | Very Dense, Gray, fine to coarse Sand, trace clayey Silt, moist to wet grades medium dense, fine to medium Sand, little Silt, wet. (SAND STRATUM 25.1 to 30.7 ft.) | 400                 |                            |  |                                         |
| 26    | 7          | S-14 | 26-28       | 27               | 50           |                                                                                                                                                                    |                     |                            |  |                                         |
|       | 10         |      |             |                  |              |                                                                                                                                                                    |                     |                            |  |                                         |
| 27    | 17         |      |             |                  |              | [UPPER TILL]                                                                                                                                                       |                     |                            |  |                                         |
|       | 17         |      |             |                  |              |                                                                                                                                                                    |                     |                            |  |                                         |
| 28    | 7          | S-15 | 28-30       | 41               | 80           | Same.                                                                                                                                                              | 400                 |                            |  |                                         |
|       | 17         |      |             |                  |              |                                                                                                                                                                    |                     |                            |  |                                         |
| 29    | 24         |      |             |                  |              |                                                                                                                                                                    |                     |                            |  |                                         |
|       | 24         |      |             |                  |              |                                                                                                                                                                    |                     |                            |  |                                         |
| 30    | 6          | S-16 | 30-32       | 68               | 85           | Same.                                                                                                                                                              | 100                 |                            |  |                                         |
|       | 30         |      |             |                  |              | [UPPER TILL] 30.7'                                                                                                                                                 |                     |                            |  |                                         |
| 31    | 38         |      |             |                  |              |                                                                                                                                                                    |                     |                            |  |                                         |
|       | 100/4      |      |             |                  |              | Very Dense, brown fine to coarse SAND, some clayey Silt, trace Gravel, moist. [LOWER TILL]                                                                         |                     |                            |  |                                         |
| 32    | 12         | S-17 | 32-34       | 60               | 100          | Same.                                                                                                                                                              | 20                  |                            |  |                                         |
|       | 30         |      |             |                  |              |                                                                                                                                                                    |                     |                            |  |                                         |
| 33    | 30         |      |             |                  |              |                                                                                                                                                                    |                     |                            |  |                                         |
|       | 30         |      |             |                  |              |                                                                                                                                                                    |                     |                            |  |                                         |
| 34    | 15         | S-18 | 34-36       | 64               | 90           | Same.                                                                                                                                                              | ND                  |                            |  |                                         |
|       | 28         |      |             |                  |              |                                                                                                                                                                    |                     |                            |  |                                         |
| 35    | 36         |      |             |                  |              | [LOWER TILL]                                                                                                                                                       |                     |                            |  |                                         |
|       | 45         |      |             |                  |              |                                                                                                                                                                    |                     |                            |  |                                         |
| 36    | 17         | S-19 | 36-38       | 82               | 75           | Same.                                                                                                                                                              | ND                  |                            |  | Bentonite pellet seal from 36 to 39 ft. |

LEGEND  
S - Split Spoon Soil Sample  
U - Undisturbed Soil Sample  
C - Rock Core Sample

NOTES:  
Organic Vapor Meter (OVM) reading of headspace using H-NU PI-101 photoionization detector.  
ND-not detected above 1 ppm.

GENERAL 1) STRATIFICATION LINES REPRESE T APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.  
NOTES: 2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER MAY OCCUR DUE TO OTHER FACTORS THAN THOSE PRESENT AT THE TIME MEASUREMENTS WERE MADE.



| DEPTH | SAMPLE     |      |             |                  |              | SAMPLE DESCRIPTION                                                      | Peak OVM Read (PPM) | EQUIPMENT    |     | NOTES |
|-------|------------|------|-------------|------------------|--------------|-------------------------------------------------------------------------|---------------------|--------------|-----|-------|
|       | BLOWS / 6" | NO.  | DEPTH (FT.) | N-VALUE / RQD(%) | RECOVERY (%) |                                                                         |                     | INSTALLATION | LOG |       |
| 37    | 33         |      |             |                  |              |                                                                         |                     |              |     |       |
|       | 49         |      |             |                  |              |                                                                         |                     |              |     |       |
|       | 45         |      |             |                  |              |                                                                         |                     |              |     |       |
| 38    | 21         | S-20 | 38-40       | 73               | 75           | Very Dense, fine to coarse Sand, some clayey Silt, trace Gravel, moist. | ND                  |              |     |       |
|       | 34         |      |             |                  |              |                                                                         |                     |              |     |       |
| 39    | 39         |      |             |                  |              |                                                                         |                     |              |     |       |
|       | 47         |      |             |                  |              | [LOWER TILL]                                                            |                     |              |     |       |
| 40    | 22         | S-21 | 40-41.9     | 74               | 70           | Same                                                                    | ND                  |              |     |       |
|       | 35         |      |             |                  |              |                                                                         |                     |              |     |       |
| 41    | 39         |      |             |                  |              |                                                                         |                     |              |     |       |
|       | 100/4"     |      |             |                  |              | [LOWER TILL] 41.9'                                                      |                     |              |     |       |
| 42    | 100/1"     | S-22 | 42-42.1     | >100             | 100          | Very Dense, Green weathered rock fragments, moist to wet.               | ND                  |              |     |       |
|       |            |      |             |                  |              | [SEVERELY WEATHERED BEDROCK]                                            |                     |              |     |       |
| 43    |            |      |             |                  |              |                                                                         |                     |              |     |       |
|       |            |      |             |                  |              |                                                                         |                     |              |     |       |
| 44    | 100/1"     | S-23 | 44-44.1     | >100             | 100          | Same, except white and pink weathered rock fragments, moist to wet.     | ND                  |              |     |       |
|       |            |      |             |                  |              |                                                                         |                     |              |     |       |
| 45    |            |      |             |                  |              |                                                                         |                     |              |     |       |
|       |            |      |             |                  |              |                                                                         |                     |              |     |       |
| 46    | 100/3"     | S-24 | 46-46.3     | >100             | 100          | Same, except moist. [SEVERELY WEATHERED BEDROCK]                        | ND                  |              |     |       |
|       |            |      |             |                  |              |                                                                         |                     |              |     |       |
| 47    |            |      |             |                  |              | Bottom of Boring at 47.0 ft.                                            |                     |              |     |       |
| 48    |            |      |             |                  |              |                                                                         |                     |              |     |       |
| 49    |            |      |             |                  |              |                                                                         |                     |              |     |       |
| 50    |            |      |             |                  |              |                                                                         |                     |              |     |       |

LEGEND

S - Split Spoon Soil Sample  
U - Undisturbed Soil Sample  
C - Rock Core Sample

NOTES:

Organic Vapor Meter (OVM) reading of headspace using H-NU PI-101 photoionization detector.  
ND-not detected above 1 ppm.

GENERAL NOTES: 1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.  
2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER MAY OCCUR DUE TO OTHER FACTORS THAN THOSE PRESENT AT THE TIME MEASUREMENTS WERE MADE.

GZA GEOENVIRONMENTAL OF NEW YORK  
364 NAGEL DRIVE, BUFFALO, NEW YORK

ENGINEERS AND SCIENTISTS

PROJECT  
Stuart-Oliver-Holtz  
Rochester, New York

BORING No. OW-8S  
SHEET 1 OF 2  
FILE No. 19078.10  
CHKD. BY

CONTRACTOR Nothnagle Drilling  
DRILLER Kevin Busch  
GZA GEOENVIRONMENTAL REPRESENTATIVE Dave Belaskas

BORING LOCATION W1123552.12 E751170.61  
GROUND SURFACE ELEVATION 525.6 DATUM NGVD  
START DATE 6/26/95 END DATE 6/27/95

TYPE OF DRILL RIG Bk 81

CASING SIZE AND TYPE 6-1/4 inch Hollow Stem Augers

OVERBURDEN SAMPLING METHOD 2 inch O.D. x 24" long split spoon

ROCK DRILLING METHOD

WATER LEVEL DATA

| DATE    | TIME | WATER | CASING | REMARKS            |
|---------|------|-------|--------|--------------------|
| 6/27/95 | 0815 | 17.2' | 32'    | Stabilized 10 hrs. |
|         |      |       |        |                    |
|         |      |       |        |                    |

| DEPTH | SAMPLE     |     |             |                   |              | SAMPLE DESCRIPTION                                                               | Peak OVM Read (ppm) | EQUIPMENT |          |   | NOTES                                                |
|-------|------------|-----|-------------|-------------------|--------------|----------------------------------------------------------------------------------|---------------------|-----------|----------|---|------------------------------------------------------|
|       | BLOWS / 6" | NO. | DEPTH (FT.) | N-VALUE / RQD (%) | RECOVERY (%) |                                                                                  |                     | I         | STALLATI | N |                                                      |
|       |            |     |             |                   |              |                                                                                  |                     | LOG       |          |   |                                                      |
| 1     | 6          | S-1 | 0-2         | 16                | 60           | Medium dense, fine to coarse SAND, little Clayey Silt, trace Gravel, moist.      | ND                  |           |          |   | Concrete surface seal to 2.5 ft.                     |
|       | 7          |     |             |                   |              | [FILL]                                                                           |                     |           |          |   |                                                      |
|       | 9          |     |             |                   |              |                                                                                  |                     |           |          |   |                                                      |
| 2     | 13         |     |             |                   |              |                                                                                  |                     |           |          |   | Cement/bentonite grout seal from 2.5 to 22 ft.       |
|       | 8          | S-2 | 2-4         | 26                | 30           | Same, except with root fragments.                                                | ND                  |           |          |   |                                                      |
|       | 12         |     |             |                   |              |                                                                                  |                     |           |          |   |                                                      |
| 3     | 14         |     |             |                   |              |                                                                                  |                     |           |          |   | 4 inch O.D. flush couple black steel riser to 27 ft. |
|       | 12         |     |             |                   |              |                                                                                  |                     |           |          |   |                                                      |
| 4     | 9          | S-3 | 4-6         | 19                | 40           | Medium dense, fine to coarse SAND, some Clayey Silt, trace Gravel, wet.          | ND                  |           |          |   |                                                      |
| 5     | 7          |     |             |                   |              |                                                                                  |                     |           |          |   | 4 inch O.D. flush couple black steel riser to 27 ft. |
|       | 12         |     |             |                   |              |                                                                                  |                     |           |          |   |                                                      |
|       | 23         |     |             |                   |              | [FILL] 6.0'                                                                      |                     |           |          |   |                                                      |
| 6     | 12         | S-4 | 6-8         | 32                | 75           | Dense, fine to coarse SAND, little Clayey Silt, wet.                             | ND                  |           |          |   | 4 inch O.D. flush couple black steel riser to 27 ft. |
|       | 14         |     |             |                   |              | [UPPER TILL]                                                                     |                     |           |          |   |                                                      |
| 7     | 18         |     |             |                   |              |                                                                                  |                     |           |          |   |                                                      |
| 8     | 14         |     |             |                   |              |                                                                                  |                     |           |          |   | 4 inch O.D. flush couple black steel riser to 27 ft. |
|       | 100/5      | S-5 | 8-8.4       | >100              | 30           | Same.                                                                            | ND                  |           |          |   |                                                      |
| 9     |            |     |             |                   |              |                                                                                  |                     |           |          |   |                                                      |
| 10    | 23         | S-6 | 10-12       | 75                | 100          | Same.                                                                            | ND                  |           |          |   | 4 inch O.D. flush couple black steel riser to 27 ft. |
|       | 31         |     |             |                   |              | (Sand Stratum at 6.0 to 12.6 ft.)                                                |                     |           |          |   |                                                      |
| 11    | 44         |     |             |                   |              |                                                                                  |                     |           |          |   |                                                      |
| 12    | 40         |     |             |                   |              | [UPPER TILL]                                                                     |                     |           |          |   | 4 inch O.D. flush couple black steel riser to 27 ft. |
|       | 52         | S-7 | 12-12.9     | >100              | 100          | Same.                                                                            | ND                  |           |          |   |                                                      |
| 13    | 100/5      |     |             |                   |              | 12.6'                                                                            |                     |           |          |   |                                                      |
| 14    |            |     |             |                   |              | Very dense, brown, fine to coarse SAND, little Clayey Silt, trace Gravel, moist. |                     |           |          |   | 4 inch O.D. flush couple black steel riser to 27 ft. |
|       | 38         | S-8 | 14-16       | >100              | 100          | Very dense, brown, fine to coarse SAND, some Clayey Silt, trace Gravel, moist.   | ND                  |           |          |   |                                                      |
| 15    | 52         |     |             |                   |              |                                                                                  |                     |           |          |   |                                                      |
| 16    | 53         |     |             |                   |              |                                                                                  |                     |           |          |   | 4 inch O.D. flush couple black steel riser to 27 ft. |
|       | 83         |     |             |                   |              | [UPPER TILL]                                                                     |                     |           |          |   |                                                      |
|       | 40         | S-9 | 16-17       | >100              | 100          | Same.                                                                            | ND                  |           |          |   |                                                      |

LEGEND  
S - Split Spoon Soil Sample  
U - Undisturbed Soil Sample  
C - Rock Core Sample

NOTES: Organic Vapor Meter (OVM) reading of headspace using H-Nu PI-101 photoionization detector.  
ND-not detected above 1 ppm.

GENERAL 1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.  
NOTES: 2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER MAY OCCUR DUE TO OTHER FACTORS THAN THOSE PRESENT AT THE TIME MEASUREMENTS WERE MADE.

GZA

BORING No. OW-8S

GZA GEOENVIRONMENTAL OF NEW YORK  
364 NAGEL DRIVE, BUFFALO, NEW YORK

ENGINEERS AND SCIENTISTS

PROJECT

Stuart-Oliver-Holtz  
Rochester, New York

BORING No. OW-8S

SHEET 2 OF 2

FILE No. 19078.10

CHKD. BY GJK

| DEPTH | SAMPLE     |      |             |                   |              | SAMPLE DESCRIPTION                                                               | Peak OVM Read (PPM) | EQUIPMENT    |     | NOTES                                                       |
|-------|------------|------|-------------|-------------------|--------------|----------------------------------------------------------------------------------|---------------------|--------------|-----|-------------------------------------------------------------|
|       | BLOWS / 6" | NO.  | DEPTH (FT.) | N-VALUE / RQD (%) | RECOVERY (%) |                                                                                  |                     | INSTALLATION | LOG |                                                             |
| 17    | 100/6*     |      |             |                   |              |                                                                                  |                     |              |     |                                                             |
| 18    | 52         | S-10 | 18-20       | >100              | 100          | Same.                                                                            | ND                  |              |     |                                                             |
| 19    | 61         |      |             |                   |              |                                                                                  |                     |              |     |                                                             |
| 20    | 66         |      |             |                   |              | Same, except with little Clayey Silt, wet.                                       |                     |              |     |                                                             |
| 21    | 30         | S-11 | 20-21.5     | >100              | 100          | Very dense, brown, fine to coarse SAND, little Clayey Silt, trace Gravel, moist. | ND                  |              |     |                                                             |
| 22    | 45         |      |             |                   |              |                                                                                  |                     |              |     |                                                             |
| 23    | 100/6*     |      |             |                   |              |                                                                                  |                     |              |     |                                                             |
| 24    | 21         | S-12 | 22-24       | >100              | 100          | Same, wet.                                                                       | ND                  |              |     | ← Bentonite pellet seal from 22 to 25 ft.                   |
| 25    | 42         |      |             |                   |              |                                                                                  |                     |              |     |                                                             |
| 26    | 62         |      |             |                   |              |                                                                                  |                     |              |     |                                                             |
| 27    | 70         |      |             |                   |              |                                                                                  |                     |              |     |                                                             |
| 28    | 40         | S-13 | 24-26       | >100              | 100          | Very dense, brown, fine to coarse SAND, some Silty Clay, moist to wet.           | ND                  |              |     |                                                             |
| 29    | 55         |      |             |                   |              |                                                                                  |                     |              |     |                                                             |
| 30    | 78         |      |             |                   |              |                                                                                  |                     |              |     |                                                             |
| 31    | 90         |      |             |                   |              |                                                                                  |                     |              |     |                                                             |
| 32    | 66         | S-14 | 26-27       | >100              | 100          | Same. [UPPER TILL]                                                               | ND                  |              |     |                                                             |
| 33    | 100/6*     |      |             |                   |              | Very dense, brown, fine to medium SAND, little Clayey Silt, wet.                 |                     |              |     |                                                             |
| 34    |            |      |             |                   |              | (Sand Stratum at 26.5 to 32.0 ft.)                                               |                     |              |     | ← No. 10 slot stainless steel well screen from 27 to 32 ft. |
| 35    | 45         | S-15 | 28-30       | 61                | 100          | Very dense, brown, fine to medium SAND, little Silt, wet.                        | ND                  |              |     |                                                             |
| 36    | 27         |      |             |                   |              |                                                                                  |                     |              |     |                                                             |
| 37    | 34         |      |             |                   |              |                                                                                  |                     |              |     |                                                             |
| 38    | 43         |      |             |                   |              |                                                                                  |                     |              |     |                                                             |
| 39    | 7          | S-16 | 30-32       | 42                | 100          | Same, except dense, trace Silt, wet.                                             | ND                  |              |     | ← No. 00 size Sand filter pack from 25 to 32.5 ft.          |
| 40    | 12         |      |             |                   |              |                                                                                  |                     |              |     |                                                             |
| 41    | 30         |      |             |                   |              |                                                                                  |                     |              |     |                                                             |
| 42    | 34         |      |             |                   |              |                                                                                  |                     |              |     |                                                             |
| 43    |            |      |             |                   |              | [UPPER TILL] 32.0'                                                               |                     |              |     |                                                             |
| 44    | 60         | S-17 | 32-33.5     | >100              | 100          | Very dense, brown, fine to coarse SAND, some Clayey Silt, trace Gravel, moist.   | ND                  |              |     | ← Bentonite pellet seal from 32.3 to 33.5 ft.               |
| 45    | 92         |      |             |                   |              |                                                                                  |                     |              |     |                                                             |
| 46    | 100/6*     |      |             |                   |              | [LOWER TILL] 33.5'                                                               |                     |              |     |                                                             |
| 47    |            |      |             |                   |              |                                                                                  |                     |              |     |                                                             |
| 48    |            |      |             |                   |              | Bottom of boring at 33.5'.                                                       |                     |              |     |                                                             |
| 49    |            |      |             |                   |              |                                                                                  |                     |              |     |                                                             |
| 50    |            |      |             |                   |              |                                                                                  |                     |              |     |                                                             |
| 51    |            |      |             |                   |              |                                                                                  |                     |              |     |                                                             |
| 52    |            |      |             |                   |              |                                                                                  |                     |              |     |                                                             |

LEGEND

S - Split Spoon Soil Sample  
U - Undisturbed Soil Sample  
C - Rock Core Sample

NOTES: (1) Organic Vapor Meter (OVM) reading of headspace using H-Nu PI-101 photoionization detector. ND=not detected above 1 ppm.

GENERAL 1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.  
NOTES: 2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER MAY OCCUR DUE TO OTHER FACTORS THAN THOSE PRESENT AT THE TIME MEASUREMENTS WERE MADE.

GZA

BORING No. OW-8S

GZA GEOENVIRONMENTAL OF NEW YORK  
364 NAGEL DRIVE, BUFFALO, NEW YORK  
ENGINEERS AND SCIENTISTS

PROJECT  
Stuart-Oliver-Holtz  
Rochester, New York

BORING No. OW-9S  
SHEET 1 OF 2  
FILE No. 19078.10  
CHKD. BY

CONTRACTOR Nothnagle Drilling  
DRILLER Kevin Busch  
GZA GEOENVIRONMENTAL REPRESENTATIVE Dave Belaskas

BORING LOCATION N1123509.87 E750947.23  
GROUND SURFACE ELEVATION 525.4 DATUM NGVD  
START DATE 6/20/95 END DATE 6/21/95

TYPE OF DRILL RIG BK-81  
CASING SIZE AND TYPE 4-1/4 inch Hollow Stem Augers  
OVERBURDEN SAMPLING METHOD 2 inch O.D. x 24" long split spoon  
ROCK DRILLING METHOD

WATER LEVEL DATA

| DATE    | TIME | WATER | CASING | REMARKS            |
|---------|------|-------|--------|--------------------|
| 6/21/95 | 0800 | 3.9'  | 20'    | Stabilized 16 hrs. |
|         |      |       |        |                    |
|         |      |       |        |                    |

| DEPTH | SAMPLE     |     |             |                   |              | SAMPLE DESCRIPTION                                                                                     | Peak OVM Read (ppm) | EQUIPMENT    |     | NOTES                                                |
|-------|------------|-----|-------------|-------------------|--------------|--------------------------------------------------------------------------------------------------------|---------------------|--------------|-----|------------------------------------------------------|
|       | BLOWS / 6" | NO. | DEPTH (FT.) | N-VALUE / RQD (%) | RECOVERY (%) |                                                                                                        |                     | INSTALLATION | LOG |                                                      |
| 1     | 9          | S-1 | 0-2         | 11                | 80           | Medium dense, brown, fine to medium SAND, trace Clayey Silt, trace Gravel, with root fragments, moist. | ND                  |              |     | Concrete surface seal 0 to 3 ft.                     |
|       | 6          |     |             |                   |              |                                                                                                        |                     |              |     |                                                      |
|       | 5          |     |             |                   |              |                                                                                                        |                     |              |     |                                                      |
|       | 5          |     |             |                   |              | [FILL] 2.0'                                                                                            |                     |              |     |                                                      |
| 2     | 3          | S-2 | 2-4         | 10                | 75           | Stiff, reddish brown CLAY & SILT, trace Sand, moist.                                                   | ND                  |              |     | Cement/bentonite grout seal from 3 to 15 ft.         |
|       | 4          |     |             |                   |              |                                                                                                        |                     |              |     |                                                      |
|       | 6          |     |             |                   |              | [LACUSTRINE]                                                                                           |                     |              |     |                                                      |
|       | 7          |     |             |                   |              |                                                                                                        |                     |              |     |                                                      |
| 3     | 4          | S-3 | 4-6         | 15                | 85           | Same.                                                                                                  | ND                  |              |     | 4 inch O.D. flush couple black steel riser to 20 ft. |
|       | 6          |     |             |                   |              |                                                                                                        |                     |              |     |                                                      |
|       | 9          |     |             |                   |              |                                                                                                        |                     |              |     |                                                      |
|       | 14         |     |             |                   |              |                                                                                                        |                     |              |     |                                                      |
| 4     | 4          | S-4 | 6-8         | 13                | 100          | Same.                                                                                                  | ND                  |              |     | Bentonite pellet seal from 15 to 18 ft.              |
|       | 6          |     |             |                   |              |                                                                                                        |                     |              |     |                                                      |
|       | 7          |     |             |                   |              | Brown, fine to coarse SAND, trace Clayey Silt, wet.                                                    |                     |              |     |                                                      |
|       | 8          |     |             |                   |              | Stiff, reddish brown CLAY & SILT, trace fine Sand, moist. [LACUSTRINE]                                 |                     |              |     |                                                      |
| 5     | 6          | S-5 | 8-10        | 12                | 30           | Medium dense, brown, fine to coarse Sand, trace Clayey Silt, wet.                                      | ND                  |              |     |                                                      |
|       | 4          |     |             |                   |              | [LACUSTRINE]                                                                                           |                     |              |     |                                                      |
|       | 8          |     |             |                   |              |                                                                                                        |                     |              |     |                                                      |
|       | 4          |     |             |                   |              |                                                                                                        |                     |              |     |                                                      |
| 6     | 4          | S-6 | 10-12       | 8                 | 25           | Same.                                                                                                  | ND                  |              |     |                                                      |
|       | 4          |     |             |                   |              | [LACUSTRINE] 11.8'                                                                                     |                     |              |     |                                                      |
|       | 4          |     |             |                   |              |                                                                                                        |                     |              |     |                                                      |
|       | 8          |     |             |                   |              |                                                                                                        |                     |              |     |                                                      |
| 7     | 32         | S-7 | 12-14       | 88                | 100          | Very dense, brown, fine to coarse Sand, some Clayey Silt, trace Gravel, moist to wet.                  | ND                  |              |     |                                                      |
|       | 33         |     |             |                   |              |                                                                                                        |                     |              |     |                                                      |
|       | 55         |     |             |                   |              | [UPPER TILL]                                                                                           |                     |              |     |                                                      |
|       | 35         |     |             |                   |              |                                                                                                        |                     |              |     |                                                      |
| 8     | 20         | S-8 | 14-16       | 99                | 100          | Very dense, brown, fine to coarse Sand, little Silt, moist to wet. SAND STRATUM 14.0-16.0 ft.          | ND                  |              |     |                                                      |
|       | 46         |     |             |                   |              | [UPPER TILL]                                                                                           |                     |              |     |                                                      |
|       | 53         |     |             |                   |              |                                                                                                        |                     |              |     |                                                      |
|       | 50         |     |             |                   |              |                                                                                                        |                     |              |     |                                                      |
| 9     | 26         | S-9 | 16-18       | 34                | 100          | Medium dense, brown, fine to coarse SAND, trace Clayey Silt, wet.                                      | ND                  |              |     |                                                      |

LEGEND

S - Split Spoon Soil Sample  
U - Undisturbed Soil Sample  
C - Rock Core Sample

NOTES: Organic Vapor Meter (OVM) reading of headspace using H-Nu PI-101 photoionization detector.  
ND-not detected above 1 ppm.

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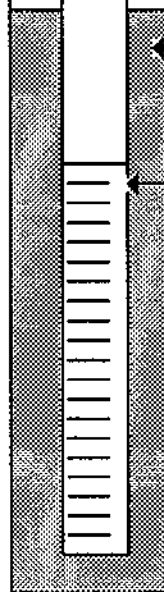
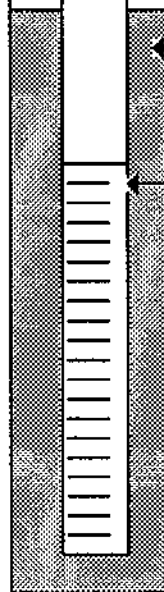
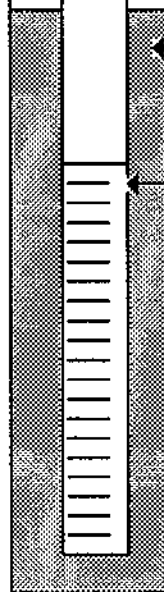
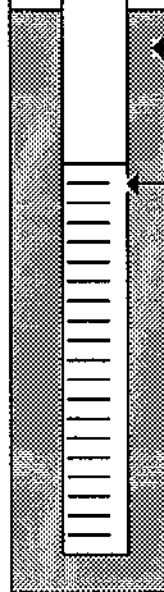
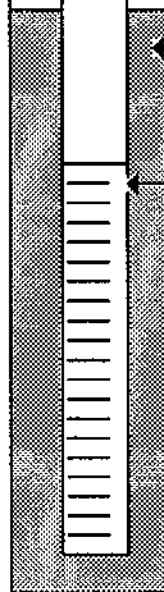
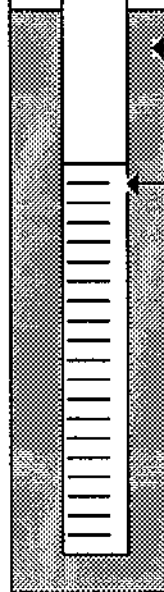
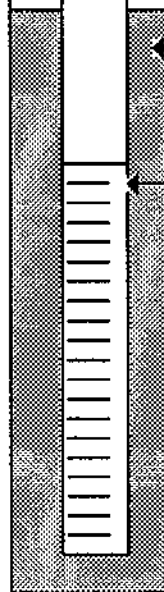
GZA

BORING No. OW-9S

GZA GEOENVIRONMENTAL OF NEW YORK  
364 NAGEL DRIVE, BUFFALO, NEW YORK  
ENGINEERS AND SCIENTISTS

PROJECT  
Stuart-Oliver-Holtz  
Rochester, New York

BORING No. OW-9S  
SHEET 2 OF 2  
FILE No. 19078.10  
CHKD. BY GJK

| DEPTH | SAMPLE        |      |                |                    |                 | SAMPLE DESCRIPTION                                                                    | Peak<br>OVM<br>Read<br>(PPM) | EQUIPMENT                                                                           |                                                 |  | NOTES                                                                               |                                                           |  |                                                                                     |  |  |                                                                                     |  |  |
|-------|---------------|------|----------------|--------------------|-----------------|---------------------------------------------------------------------------------------|------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------|--|-------------------------------------------------------------------------------------|-----------------------------------------------------------|--|-------------------------------------------------------------------------------------|--|--|-------------------------------------------------------------------------------------|--|--|
|       | BLOWS<br>/ 6" | NO.  | DEPTH<br>(FT.) | N-VALUE<br>/RQD(%) | RECOVERY<br>(%) |                                                                                       |                              | INSTALLATION                                                                        | LOG                                             |  |                                                                                     |                                                           |  |                                                                                     |  |  |                                                                                     |  |  |
| 17    | 17            |      |                |                    |                 | Medium Dense, brown, fine to coarse SAND, trace Clayey Silt, wet.<br><br>[UPPER TILL] | ND                           |  | No.00 size Sand filter pack from 18 to 25.5 ft. |  |                                                                                     |                                                           |  |                                                                                     |  |  |                                                                                     |  |  |
|       | 17            |      |                |                    |                 |                                                                                       |                              |                                                                                     |                                                 |  |                                                                                     |                                                           |  |                                                                                     |  |  |                                                                                     |  |  |
|       | 34            |      |                |                    |                 |                                                                                       |                              |                                                                                     |                                                 |  |                                                                                     |                                                           |  |                                                                                     |  |  |                                                                                     |  |  |
| 18    | 29            | S-10 | 18-20          | 99                 | 100             |                                                                                       |                              |                                                                                     |                                                 |  |                                                                                     |                                                           |  |                                                                                     |  |  |                                                                                     |  |  |
|       | 44            |      |                |                    |                 | Same.                                                                                 | ND                           |                                                                                     |                                                 |  |  | No. 10 slot stainless steel well screen from 20 to 25 ft. |  |                                                                                     |  |  |                                                                                     |  |  |
| 19    | 55            |      |                |                    |                 |                                                                                       |                              |                                                                                     |                                                 |  |                                                                                     |                                                           |  |                                                                                     |  |  |                                                                                     |  |  |
|       | 45            |      |                |                    |                 |                                                                                       |                              |                                                                                     |                                                 |  |                                                                                     |                                                           |  |                                                                                     |  |  |                                                                                     |  |  |
| 20    | 32            | S-11 | 20-22          | 72                 | 100             |                                                                                       |                              |                                                                                     |                                                 |  |                                                                                     |                                                           |  |                                                                                     |  |  |                                                                                     |  |  |
|       | 40            |      |                |                    |                 | Same.                                                                                 | ND                           |                                                                                     |                                                 |  |                                                                                     |                                                           |  |  |  |  |                                                                                     |  |  |
| 21    | 32            |      |                |                    |                 |                                                                                       |                              |                                                                                     |                                                 |  |                                                                                     |                                                           |  |                                                                                     |  |  |                                                                                     |  |  |
|       | 28            |      |                |                    |                 |                                                                                       |                              |                                                                                     |                                                 |  |                                                                                     |                                                           |  |                                                                                     |  |  |                                                                                     |  |  |
| 22    | 9             | S-12 | 22-24          | 41                 | 95              |                                                                                       |                              |                                                                                     |                                                 |  |                                                                                     |                                                           |  |                                                                                     |  |  |                                                                                     |  |  |
|       | 18            |      |                |                    |                 | Same.                                                                                 | ND                           |                                                                                     |                                                 |  |                                                                                     |                                                           |  |                                                                                     |  |  |  |  |  |
| 23    | 23            |      |                |                    |                 |                                                                                       |                              |                                                                                     |                                                 |  |                                                                                     |                                                           |  |                                                                                     |  |  |                                                                                     |  |  |
|       | 29            |      |                |                    |                 |                                                                                       |                              |                                                                                     |                                                 |  |                                                                                     |                                                           |  |                                                                                     |  |  |                                                                                     |  |  |
| 24    | 29            | S-13 | 24-26          | 99                 | 100             |                                                                                       |                              |                                                                                     |                                                 |  |                                                                                     |                                                           |  |                                                                                     |  |  |                                                                                     |  |  |
|       | 47            |      |                |                    |                 | [UPPER TILL] 24.7'                                                                    | ND                           |  |                                                 |  |                                                                                     |                                                           |  |                                                                                     |  |  |                                                                                     |  |  |
| 25    | 52            |      |                |                    |                 | Very dense, brown, fine to coarse SAND, little Clayey Silt, moist.<br>[LOWER TILL]    |                              |                                                                                     |                                                 |  |                                                                                     |                                                           |  |                                                                                     |  |  |                                                                                     |  |  |
|       | 56            |      |                |                    |                 |                                                                                       |                              |                                                                                     |                                                 |  |                                                                                     |                                                           |  |                                                                                     |  |  |                                                                                     |  |  |
| 26    | 11            | S-14 | 26-27.9        | 93                 | 80              |                                                                                       |                              |                                                                                     |                                                 |  |                                                                                     |                                                           |  |                                                                                     |  |  |                                                                                     |  |  |
|       | 23            |      |                |                    |                 | Same.                                                                                 | ND                           |                                                                                     |                                                 |  |  | Bentonite pellet seal from 25.5 to 28.9 ft.               |  |                                                                                     |  |  |                                                                                     |  |  |
| 27    | 70            |      |                |                    |                 |                                                                                       |                              |                                                                                     |                                                 |  |                                                                                     |                                                           |  |                                                                                     |  |  |                                                                                     |  |  |
|       | 100/5         |      |                |                    |                 |                                                                                       |                              |                                                                                     |                                                 |  |                                                                                     |                                                           |  |                                                                                     |  |  |                                                                                     |  |  |
| 28    | 93            | S-15 | 28-28.9        | >100               | 90              |                                                                                       |                              |                                                                                     |                                                 |  |                                                                                     |                                                           |  |                                                                                     |  |  |                                                                                     |  |  |
|       | 100/4         |      |                |                    |                 | [LOWER TILL]                                                                          | ND                           |                                                                                     |                                                 |  |                                                                                     |                                                           |  |  |  |  |                                                                                     |  |  |
| 29    |               |      |                |                    |                 | Bottom of test boring at 28.9 ft.                                                     |                              |                                                                                     |                                                 |  |                                                                                     |                                                           |  |                                                                                     |  |  |                                                                                     |  |  |
|       |               |      |                |                    |                 |                                                                                       |                              |                                                                                     |                                                 |  |                                                                                     |                                                           |  |                                                                                     |  |  |                                                                                     |  |  |
| 30    |               |      |                |                    |                 |                                                                                       |                              |                                                                                     |                                                 |  |                                                                                     |                                                           |  |                                                                                     |  |  |                                                                                     |  |  |
|       |               |      |                |                    |                 |                                                                                       |                              |                                                                                     |                                                 |  |                                                                                     |                                                           |  |                                                                                     |  |  |                                                                                     |  |  |
| 31    |               |      |                |                    |                 |                                                                                       |                              |                                                                                     |                                                 |  |                                                                                     |                                                           |  |                                                                                     |  |  |                                                                                     |  |  |
|       |               |      |                |                    |                 |                                                                                       |                              |                                                                                     |                                                 |  |                                                                                     |                                                           |  |                                                                                     |  |  |                                                                                     |  |  |
| 32    |               |      |                |                    |                 |                                                                                       |                              |                                                                                     |                                                 |  |                                                                                     |                                                           |  |                                                                                     |  |  |                                                                                     |  |  |
|       |               |      |                |                    |                 |                                                                                       |                              |                                                                                     |                                                 |  |                                                                                     |                                                           |  |                                                                                     |  |  |                                                                                     |  |  |
| 33    |               |      |                |                    |                 |                                                                                       |                              |                                                                                     |                                                 |  |                                                                                     |                                                           |  |                                                                                     |  |  |                                                                                     |  |  |
|       |               |      |                |                    |                 |                                                                                       |                              |                                                                                     |                                                 |  |                                                                                     |                                                           |  |                                                                                     |  |  |                                                                                     |  |  |
| 34    |               |      |                |                    |                 |                                                                                       |                              |                                                                                     |                                                 |  |                                                                                     |                                                           |  |                                                                                     |  |  |                                                                                     |  |  |
|       |               |      |                |                    |                 |                                                                                       |                              |                                                                                     |                                                 |  |                                                                                     |                                                           |  |                                                                                     |  |  |                                                                                     |  |  |
| 35    |               |      |                |                    |                 |                                                                                       |                              |                                                                                     |                                                 |  |                                                                                     |                                                           |  |                                                                                     |  |  |                                                                                     |  |  |
|       |               |      |                |                    |                 |                                                                                       |                              |                                                                                     |                                                 |  |                                                                                     |                                                           |  |                                                                                     |  |  |                                                                                     |  |  |
| 36    |               |      |                |                    |                 |                                                                                       |                              |                                                                                     |                                                 |  |                                                                                     |                                                           |  |                                                                                     |  |  |                                                                                     |  |  |

LEGEND

S - Split Spoon Soil Sample  
U - Undisturbed Soil Sample  
C - Rock Core Sample

NOTES: (1) Organic Vapor Meter (OVM) reading of headspace using H-Nu P1-101 photoionization detector. ND=not detected above 1 ppm.

GENERAL 1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.  
NOTES: 2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER MAY OCCUR DUE TO OTHER FACTORS THAN THOSE PRESENT AT THE TIME MEASUREMENTS WERE MADE.

GZA

BORING No. OW-9S

|                                                                                                                                |  |  |  |                                                                                                                                                               |  |                                                                                                      |  |
|--------------------------------------------------------------------------------------------------------------------------------|--|--|--|---------------------------------------------------------------------------------------------------------------------------------------------------------------|--|------------------------------------------------------------------------------------------------------|--|
| GZA GEOENVIRONMENTAL OF NEW YORK<br>364 NAGEL DRIVE, BUFFALO, NEW YORK<br>ENGINEERS AND SCIENTISTS                             |  |  |  | PROJECT<br><u>Stuart-Oliver-Holtz</u><br><u>Rochester, New York</u>                                                                                           |  | BORING No. <u>OW-10S</u><br>SHEET <u>1</u> OF <u>2</u><br>FILE No. <u>19078.10</u><br>CHKD. BY _____ |  |
| CONTRACTOR <u>Nothnagle Drilling</u><br>DRILLER <u>Kevin Busch</u><br>GZA GEOENVIRONMENTAL REPRESENTATIVE <u>Dave Belaskas</u> |  |  |  | BORING LOCATION <u>N1123336.27 E751209.95</u><br>GROUND SURFACE ELEVATION <u>531.6</u> DATUM <u>NGVD</u><br>START DATE <u>6/21/95</u> END DATE <u>6/22/95</u> |  |                                                                                                      |  |

|                                                                                                                                                                                                   |  |  |  |  |                  |      |       |        |                    |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|------------------|------|-------|--------|--------------------|
| TYPE OF DRILL RIG <u>Bk-81</u><br>CASING SIZE AND TYPE <u>4-1/4 inch Hollow Stem Augers</u><br>OVERBURDEN SAMPLING METHOD <u>2 inch O.D. x 24" long split spoon</u><br>ROCK DRILLING METHOD _____ |  |  |  |  | WATER LEVEL DATA |      |       |        |                    |
|                                                                                                                                                                                                   |  |  |  |  | DATE             | TIME | WATER | CASING | REMARKS            |
|                                                                                                                                                                                                   |  |  |  |  | 6/22/95          | 0815 | 8.5'  | 24'    | Stabilized 16 hrs. |
|                                                                                                                                                                                                   |  |  |  |  |                  |      |       |        |                    |
|                                                                                                                                                                                                   |  |  |  |  |                  |      |       |        |                    |

| DEPTH | SAMPLE     |     |             |                   |              | SAMPLE DESCRIPTION                                                                                                 | Peak OVM Read (ppm) | EQUIPMENT INSTALLATION LOG | NOTES |
|-------|------------|-----|-------------|-------------------|--------------|--------------------------------------------------------------------------------------------------------------------|---------------------|----------------------------|-------|
|       | BLOWS / 6" | NO. | DEPTH (FT.) | N-VALUE / ROD (%) | RECOVERY (%) |                                                                                                                    |                     |                            |       |
|       |            | S-1 | 0.5-2       | 56                | 100          | Augered through pavement.                                                                                          | ND                  |                            |       |
| 1     | 12         |     |             |                   |              | Very dense, brown, SILT & CLAY, and fine to coarse SAND, little Gravel, moist. (possible subbase)                  | ND                  |                            |       |
|       | 44         |     |             |                   |              |                                                                                                                    |                     |                            |       |
|       | 47         |     |             |                   |              |                                                                                                                    |                     |                            |       |
| 2     | 36         | S-2 | 2-4         | 56                | 80           | [FILL]<br>Very dense, brown, fine to coarse SAND, some Clayey Silt, trace Gravel, moist.                           | ND                  |                            |       |
|       | 30         |     |             |                   |              | same.                                                                                                              | ND                  |                            |       |
|       | 26         |     |             |                   |              |                                                                                                                    |                     |                            |       |
|       | 20         |     |             |                   |              |                                                                                                                    |                     |                            |       |
| 4     | 9          | S-3 | 4-6         | 27                | 95           |                                                                                                                    | ND                  |                            |       |
|       | 11         |     |             |                   |              | Same.                                                                                                              | ND                  |                            |       |
|       | 16         |     |             |                   |              |                                                                                                                    |                     |                            |       |
|       | 16         |     |             |                   |              |                                                                                                                    |                     |                            |       |
| 6     | 11         | S-4 | 6-8         | 45                | 75           |                                                                                                                    | ND                  |                            |       |
|       | 23         |     |             |                   |              | [FILL] 7.6'                                                                                                        |                     |                            |       |
|       | 22         |     |             |                   |              |                                                                                                                    |                     |                            |       |
|       | 21         |     |             |                   |              |                                                                                                                    |                     |                            |       |
| 8     | 10         | S-5 | 8-10        | 41                | 100          | Dense, brown, fine to medium SAND, trace Clayey Silt, wet.                                                         | ND                  |                            |       |
|       | 20         |     |             |                   |              | [UPPER TILL]                                                                                                       |                     |                            |       |
|       | 21         |     |             |                   |              |                                                                                                                    |                     |                            |       |
|       | 36         |     |             |                   |              |                                                                                                                    |                     |                            |       |
| 10    | 13         | S-6 | 10-12       | 56                | 75           | Same, except very dense with Gravel, wet.                                                                          | ND                  |                            |       |
|       | 26         |     |             |                   |              | Same, except dense.                                                                                                | ND                  |                            |       |
|       | 30         |     |             |                   |              |                                                                                                                    |                     |                            |       |
|       | 55         |     |             |                   |              |                                                                                                                    |                     |                            |       |
| 12    | 42         | S-7 | 12-14       | 41                | 80           |                                                                                                                    | ND                  |                            |       |
|       | 20         |     |             |                   |              | Same, except very dense.                                                                                           | ND                  |                            |       |
|       | 21         |     |             |                   |              |                                                                                                                    |                     |                            |       |
|       | 21         |     |             |                   |              |                                                                                                                    |                     |                            |       |
| 14    | 13         | S-8 | 14-16       | 63                | 95           |                                                                                                                    | ND                  |                            |       |
|       | 29         |     |             |                   |              | [UPPER TILL]                                                                                                       |                     |                            |       |
|       | 34         |     |             |                   |              |                                                                                                                    |                     |                            |       |
|       | 40         |     |             |                   |              |                                                                                                                    |                     |                            |       |
| 16    | 14         | S-9 | 16-17.5     | >100              | 100          | Brown, fine to coarse SAND and Silt, wet.<br>[UPPER TILL]<br>Very dense, brown, fine to coarse SAND and Silt, wet. | ND                  |                            |       |

**LEGEND**

S - Split Spoon Soil Sample

U - Undisturbed Soil Sample

C - Rock Core Sample

NOTES: Organic Vapor Meter (OVM) reading of headspace using H-Nu PI-101 photoionization detector.  
 ND-not detected above 1 ppm.

|                                                                                                                                                                                                                                                                                                                         |  |                          |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--------------------------|
| GENERAL 1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.<br>NOTES: 2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER MAY OCCUR DUE TO OTHER FACTORS THAN THOSE PRESENT AT THE TIME MEASUREMENTS WERE MADE. |  | BORING No. <u>OW-10S</u> |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--------------------------|

| DEPTH | SAMPLE     |      |             |                  |              | SAMPLE DESCRIPTION                                                                   | Peak OVM Read (PPM) | EQUIPMENT    |     | NOTES                                         |
|-------|------------|------|-------------|------------------|--------------|--------------------------------------------------------------------------------------|---------------------|--------------|-----|-----------------------------------------------|
|       | BLOWS / 6" | NO.  | DEPTH (FT.) | N-VALUE / RQD(%) | RECOVERY (%) |                                                                                      |                     | INSTALLATION | LOG |                                               |
| 17    | 45         |      |             |                  |              | (Sand Stratum 15.2 to 17.0 ft. [UPPER TILL] 17.0'                                    |                     |              |     |                                               |
|       | 100/6*     |      |             |                  |              |                                                                                      |                     |              |     |                                               |
| 18    |            |      |             |                  |              | Very dense, brown, fine to coarse SAND, some Clayey Silt, trace Gravel, moist. Same. | ND                  |              |     |                                               |
|       | 100/6*     | S-10 | 18-18.5     | >100             | 100          |                                                                                      |                     |              |     | ← Bentonite pellet seal from 17.5 to 24.5 ft. |
| 19    |            |      |             |                  |              | [LOWER TILL]                                                                         |                     |              |     |                                               |
| 20    |            |      |             |                  |              |                                                                                      |                     |              |     |                                               |
|       | 38         | S-11 | 20-20.9     | >100             | 100          | Same.                                                                                | ND                  |              |     |                                               |
|       | 100/5*     |      |             |                  |              |                                                                                      |                     |              |     |                                               |
| 21    |            |      |             |                  |              |                                                                                      |                     |              |     |                                               |
| 22    |            |      |             |                  |              |                                                                                      |                     |              |     |                                               |
|       | 41         | S-12 | 22-23.9     | >100             | 100          | Very dense, brown, fine to coarse SAND, little Clayey Silt, trace gravel, wet.       | ND                  |              |     |                                               |
|       | 53         |      |             |                  |              |                                                                                      |                     |              |     |                                               |
| 23    |            |      |             |                  |              |                                                                                      |                     |              |     |                                               |
|       | 71         |      |             |                  |              |                                                                                      |                     |              |     |                                               |
|       | 100/5*     |      |             |                  |              |                                                                                      |                     |              |     |                                               |
| 24    |            |      |             |                  |              |                                                                                      |                     |              |     |                                               |
|       | 100/6*     | S-13 | 24-24.5     | >100             | 100          | [LOWER TILL]                                                                         | ND                  |              |     |                                               |
| 25    |            |      |             |                  |              | Bottom of boring at 24.5'                                                            |                     |              |     |                                               |
| 26    |            |      |             |                  |              |                                                                                      |                     |              |     |                                               |
| 27    |            |      |             |                  |              |                                                                                      |                     |              |     |                                               |
| 28    |            |      |             |                  |              |                                                                                      |                     |              |     |                                               |
| 29    |            |      |             |                  |              |                                                                                      |                     |              |     |                                               |
| 30    |            |      |             |                  |              |                                                                                      |                     |              |     |                                               |
| 31    |            |      |             |                  |              |                                                                                      |                     |              |     |                                               |
| 32    |            |      |             |                  |              |                                                                                      |                     |              |     |                                               |
| 33    |            |      |             |                  |              |                                                                                      |                     |              |     |                                               |
| 34    |            |      |             |                  |              |                                                                                      |                     |              |     |                                               |
| 35    |            |      |             |                  |              |                                                                                      |                     |              |     |                                               |
| 36    |            |      |             |                  |              |                                                                                      |                     |              |     |                                               |

LEGEND  
S - Split Spoon Soil Sample  
U - Undisturbed Soil Sample  
C - Rock Core Sample

NOTES: Organic Vapor Meter (OVM) reading of headspace using H-Nu PI-101 photoionization detector. ND=not detected above 1 ppm.

GENERAL 1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.  
NOTES: 2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER MAY OCCUR DUE TO OTHER FACTORS THAN THOSE PRESENT AT THE TIME MEASUREMENTS WERE MADE.

GZA GEOENVIRONMENTAL OF NEW YORK  
364 NAGEL DRIVE, BUFFALO, NEW YORK

ENGINEERS AND SCIENTISTS

PROJECT  
Stuart-Oliver-Holtz  
Rochester, New York

BORING No. OW-11S  
SHEET 1 OF 2  
FILE No. 19078.10  
CHKD. BY

CONTRACTOR Nothnagle Drilling  
DRILLER Steve Lorantz  
GZA GEOENVIRONMENTAL REPRESENTATIVE Dave Belaskas

BORING LOCATION N1123308.96 E750922.77  
GROUND SURFACE ELEVATION 528.7 DATUM NGVD  
START DATE 6/22/95 END DATE 6/23/95

TYPE OF DRILL RIG CME-75

CASING SIZE AND TYPE 4-1/4 inch Hollow Stem Augers

OVERBURDEN SAMPLING METHOD 2 inch O.D. x 24" long split spoon

ROCK DRILLING METHOD

WATER LEVEL DATA

| DATE    | TIME | WATER | CASING | REMARKS            |
|---------|------|-------|--------|--------------------|
| 6/23/95 | 0830 | 9.7'  | 30'    | Stabilized 16 hrs. |
|         |      |       |        |                    |
|         |      |       |        |                    |

| DEPTH<br>TH | SAMPLE        |     |                |                    |                 | SAMPLE DESCRIPTION                                                             | Peak<br>OVM<br>Read<br>(ppm) | EQUIPMENT<br>INSTALLATION |  | NOTES                                               |
|-------------|---------------|-----|----------------|--------------------|-----------------|--------------------------------------------------------------------------------|------------------------------|---------------------------|--|-----------------------------------------------------|
|             | BLOWS<br>/ 6" | NO. | DEPTH<br>(FT.) | N-VALUE<br>/RQD(%) | RECOVERY<br>(%) |                                                                                |                              | LOG                       |  |                                                     |
| 1           | 22            | S-1 | 0-2            | 42                 | 60              | Dense, brown fine to coarse SAND, some Clay & Silt, trace Gravel, moist.       | ND                           |                           |  |                                                     |
|             | 28            |     |                |                    |                 |                                                                                |                              |                           |  |                                                     |
|             | 14            |     |                |                    |                 | [FILL]                                                                         |                              |                           |  | Concrete surface seal 0-2.5 ft.                     |
| 2           | 13            |     |                |                    |                 |                                                                                |                              |                           |  |                                                     |
|             | 20            | S-2 | 2-4            | 60                 | 65              | Very dense, brown, fine to coarse SAND, little Clayey Silt, moist.             | ND                           |                           |  |                                                     |
|             | 27            |     |                |                    |                 |                                                                                |                              |                           |  |                                                     |
| 3           | 33            |     |                |                    |                 |                                                                                |                              |                           |  |                                                     |
|             | 33            |     |                |                    |                 |                                                                                |                              |                           |  | 2 inch steel pipe 0-7.5 ft.                         |
| 4           | 16            | S-3 | 4-6            | 26                 | 65              | Very dense, brown, fine to coarse SAND, little Clayey Silt, moist to wet.      | ND                           |                           |  |                                                     |
|             | 11            |     |                |                    |                 |                                                                                |                              |                           |  |                                                     |
| 5           | 15            |     |                |                    |                 |                                                                                |                              |                           |  | Bentonite pellet seal 2.5-5.5 ft.                   |
|             | 17            |     |                |                    |                 | [FILL] 5.6'                                                                    |                              |                           |  |                                                     |
| 6           | 3             | S-4 | 6-8            | 18                 | 65              | Medium dense, brown, fine to coarse SAND and CLAY and SILT, wet.               | ND                           |                           |  |                                                     |
|             | 9             |     |                |                    |                 |                                                                                |                              |                           |  |                                                     |
| 7           | 9             |     |                |                    |                 |                                                                                |                              |                           |  |                                                     |
|             | 18            |     |                |                    |                 | [LACUSTRINE] 8.0'                                                              |                              |                           |  |                                                     |
| 8           | 23            | S-5 | 8-10           | 48                 | 65              | Dense, brown, fine to coarse SAND, little Clayey Silt, wet.                    | ND                           |                           |  |                                                     |
|             | 22            |     |                |                    |                 |                                                                                |                              |                           |  |                                                     |
| 9           | 26            |     |                |                    |                 |                                                                                |                              |                           |  |                                                     |
|             | 27            |     |                |                    |                 | [UPPER TILL]                                                                   |                              |                           |  | No. 10 Slot stainless steel screen, 2" 7.5-12.5 ft. |
| 10          | 18            | S-6 | 10-12          | 33                 | 75              | Dense, brown, fine to coarse SAND, little Clayey Silt, wet.                    | ND                           |                           |  |                                                     |
|             | 19            |     |                |                    |                 |                                                                                |                              |                           |  |                                                     |
| 11          | 14            |     |                |                    |                 |                                                                                |                              |                           |  |                                                     |
|             | 19            |     |                |                    |                 | [UPPER TILL] 12.0'                                                             |                              |                           |  |                                                     |
| 12          | 46            | S-7 | 12-14          | >100               | 95              | Very dense, brown, fine to coarse SAND, some Clayey Silt, trace Gravel, moist. | ND                           |                           |  |                                                     |
|             | 59            |     |                |                    |                 |                                                                                |                              |                           |  |                                                     |
| 13          | 66            |     |                |                    |                 | [LOWER TILL]                                                                   |                              |                           |  | Sand pack 5.5-13 ft.                                |
|             | 71            |     |                |                    |                 |                                                                                |                              |                           |  |                                                     |
| 14          | 24            | S-8 | 14-16          | 62                 | 90              | Very dense, brown, fine to coarse SAND, some Clayey Silt, trace Gravel, moist. | ND                           |                           |  |                                                     |
|             | 40            |     |                |                    |                 |                                                                                |                              |                           |  |                                                     |
| 15          | 22            |     |                |                    |                 |                                                                                |                              |                           |  |                                                     |
|             | 18            |     |                |                    |                 |                                                                                |                              |                           |  |                                                     |
| 16          | 11            | S-9 | 16-18          | 70                 | 85              | Very dense, brown, fine to coarse SAND, some Clayey Silt, trace Gravel, moist. | ND                           |                           |  |                                                     |

LEGEND  
S - Split Spoon Soil Sample  
U - Undisturbed Soil Sample  
C - Rock Core Sample

NOTES: 1. Organic Vapor Meter (OVM) reading of headspace using H-Nu PI-101 photoionization detector.  
ND-not detected above 1 ppm.  
2. Well OW-11S was installed in an adjacent borehole.

GENERAL 1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.  
NOTES: 2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER MAY OCCUR DUE TO OTHER FACTORS THAN THOSE PRESENT AT THE TIME MEASUREMENTS WERE MADE.

GZA

BORING No. OW-11S



| DEPTH | SAMPLE     |      |             |                   |              | SAMPLE DESCRIPTION                                                                                                                              | Peak OVM Read (PPM) | EQUIPMENT INSTALLATION LOG | NOTES |
|-------|------------|------|-------------|-------------------|--------------|-------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|----------------------------|-------|
|       | BLOWS / 6" | NO.  | DEPTH (FT.) | N-VALUE / RQD (%) | RECOVERY (%) |                                                                                                                                                 |                     |                            |       |
| 17    | 22         |      |             |                   |              |                                                                                                                                                 |                     |                            |       |
|       | 48         |      |             |                   |              |                                                                                                                                                 |                     |                            |       |
| 18    | 45         |      |             |                   |              |                                                                                                                                                 |                     |                            |       |
|       | 33         | S-10 | 18-20       | >100              | 100          | Very dense, brown, fine to coarse SAND, some Clayey Silt, trace Gravel, moist.                                                                  | ND                  |                            |       |
| 19    | 47         |      |             |                   |              |                                                                                                                                                 |                     |                            |       |
|       | 69         |      |             |                   |              |                                                                                                                                                 |                     |                            |       |
| 20    | 75         |      |             |                   |              |                                                                                                                                                 |                     |                            |       |
|       | 38         | S-11 | 20-22       | >100              | 100          | Very dense, brown, fine to coarse SAND, some Clayey Silt, trace Gravel, moist.                                                                  | ND                  |                            |       |
| 21    | 100/6*     |      |             |                   |              |                                                                                                                                                 |                     |                            |       |
|       |            |      |             |                   |              | [LOWER TILL]                                                                                                                                    |                     |                            |       |
| 22    | 66         | S-12 | 22-23       | >100              | 100          | Very dense, brown, fine to coarse SAND, some Clayey Silt, trace Gravel, moist.                                                                  | ND                  |                            |       |
| 23    | 100/6*     |      |             |                   |              |                                                                                                                                                 |                     |                            |       |
|       |            |      |             |                   |              | [LOWER TILL]                                                                                                                                    |                     |                            |       |
| 24    | 59         | S-13 | 24-25       | >100              | 100          | Very dense, brown, fine to coarse SAND, some Clayey Silt, trace Gravel, moist.                                                                  | ND                  |                            |       |
| 25    | 100/6*     |      |             |                   |              |                                                                                                                                                 |                     |                            |       |
|       |            |      |             |                   |              |                                                                                                                                                 |                     |                            |       |
| 26    | 47         | S-14 | 26-27.4     | >100              | 100          | Very dense, brown, fine to coarse SAND, some Clayey Silt, trace Gravel, moist.                                                                  | ND                  |                            |       |
| 27    | 62         |      |             |                   |              |                                                                                                                                                 |                     |                            |       |
|       | 100/5*     |      |             |                   |              |                                                                                                                                                 |                     |                            |       |
| 28    | 100/1*     | S-15 | 28-28.1     | >100              | 100          | Very dense, brown, fine to coarse SAND, some Clayey Silt, trace Gravel, moist.                                                                  | ND                  |                            |       |
| 29    |            |      |             |                   |              |                                                                                                                                                 |                     |                            |       |
|       |            |      |             |                   |              | [LOWER TILL] 30.0'                                                                                                                              |                     |                            |       |
| 30    | 59         | S-16 | 30-31.3     | >100              | 100          | Grey to green, weathered bedrock, fragments, wet.                                                                                               | ND                  |                            |       |
| 31    | 63         |      |             |                   |              |                                                                                                                                                 |                     |                            |       |
|       | 100/3*     |      |             |                   |              | [SEVERELY WEATHERED BEDROCK]                                                                                                                    |                     |                            |       |
|       |            |      |             |                   |              | Red weathered, rock fragments.                                                                                                                  |                     |                            |       |
| 32    | 100/2*     | S-17 | 32-32.2     | >100              | 100          | Bottom of boring at 32.2 ft.                                                                                                                    |                     |                            |       |
| 33    |            |      |             |                   |              |                                                                                                                                                 |                     |                            |       |
| 34    |            |      |             |                   |              | NOTE: This borehole was backfilled to ground surface with cement/bentonite grout. Monitoring well OW-11S was installed in an adjacent borehole. |                     |                            |       |
| 35    |            |      |             |                   |              |                                                                                                                                                 |                     |                            |       |
| 36    |            |      |             |                   |              |                                                                                                                                                 |                     |                            |       |

LEGEND  
S - Split Spoon Soil Sample  
U - Undisturbed Soil Sample  
C - Rock Core Sample

NOTES: (1) Organic Vapor Meter (OVM) reading of headspace using H-Nu PI-101 photoionization detector. ND=not detected above 1 ppm.  
Overburden monitoring well OW-11S was installed adjacent borehole see log OW-11S for well completion details.

GENERAL 1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.  
NOTES: 2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER MAY OCCUR DUE TO OTHER FACTORS THAN THOSE PRESENT AT THE TIME MEASUREMENTS WERE MADE.

**Test Pit Logs**  
**Prepared by**  
**GZA GeoEnvironmental of New York**

# TEST PIT FIELD LOG

Project Description Stuart-Olver-Holtz Test Pit No. TP-1  
 Project Location Rochester, New York Location N1123730.84, E751220.54 (NYSPC)  
 File No. 19078.1  
 Date 11/03/94  
 Time Started 9:00  
 Time Completed 9:30  
 Weather Sunny, 55° C  
 GZA Representative Steve Blair  
 Contractor Nothnagle Drilling  
 Operator Tim Wade  
 Make TCB Model 1400B Ground Elevation 527.0 (NVGD)

| DEPTH<br>(feet) | SAMPLE<br>NO. | DESCRIPTION                                                        | REMARK<br>NO. |
|-----------------|---------------|--------------------------------------------------------------------|---------------|
| ---             |               | Brown SAND, some Silt, little Gravel and Cobbles, moist. [FILL]    |               |
| ---             |               | ... encountered a piece of sheet metal at 1 ft.                    | ---           |
| 2               |               | ... grades gray at 1.5 ft.                                         | ---           |
| ---             |               | ... water seep observed at 2 ft.                                   | ---           |
| ---             |               | ... potential black staining at 2.5 ft., encountered charred wood. | ---           |
| ---             |               | Gray SAND and SILT, moist (suspected natural material) at 3.5 ft.  | ---           |
| 4               |               | Red brown clayey SILT at 4.3 ft.                                   | ---           |
| ---             |               | Bottom of hole at 4.3 ft.                                          | ---           |
| ---             |               |                                                                    | ---           |
| 6               |               |                                                                    | ---           |
| ---             |               |                                                                    | ---           |
| ---             |               |                                                                    | ---           |
| 8               |               |                                                                    | ---           |
| ---             |               |                                                                    | ---           |
| ---             |               |                                                                    | ---           |
| 10              |               |                                                                    | ---           |
| ---             |               |                                                                    | ---           |
| ---             |               |                                                                    | ---           |
| 12              |               |                                                                    | ---           |
| ---             |               |                                                                    | ---           |
| ---             |               |                                                                    | ---           |
| 14              |               |                                                                    | ---           |
| ---             |               |                                                                    | ---           |

REMARKS: Collected composite soil sample for testing.

GZA GEOENVIRONMENTAL OF NEW YORK  
 ENGINEERS AND SCIENTISTS

# TEST PIT FIELD LOG

Project Description Stuart-Oliver-Holtz Test Pit No. TP-2  
 Location N1123778.47, E751163.27 (NYSPC)  
 Project Location Rochester, New York File No. 19078.1  
 Date 11/03/94  
 Time Started 10:10  
 Time Completed 10:25  
 Weather Sunny, 55° C  
 GZA Representative Steve Blair  
 Contractor Nothnagle Drilling  
 Operator Tim Wade  
 Make TCB Model 1400B Ground Elevation 527.3 (NVGD)

| DEPTH<br>(feet) | SAMPLE<br>NO. | DESCRIPTION                                                     | REMARK<br>NO. |
|-----------------|---------------|-----------------------------------------------------------------|---------------|
| ---             |               | Brown SAND, some Silt, little Gravel and Cobbles, moist. [FILL] |               |
| ---             |               | ... encountered tire, wire, wood, plastic                       |               |
| 2               |               | ... water seep observed at 2 ft.                                |               |
| ---             |               | Gray SAND and SILT, moist (suspected natural material) at 3 ft. |               |
| 4               |               | Bottom of hole at 3.5 ft.                                       |               |
| ---             |               |                                                                 |               |
| 6               |               |                                                                 |               |
| ---             |               |                                                                 |               |
| 8               |               |                                                                 |               |
| ---             |               |                                                                 |               |
| 10              |               |                                                                 |               |
| ---             |               |                                                                 |               |
| 12              |               |                                                                 |               |
| ---             |               |                                                                 |               |
| 14              |               |                                                                 |               |
| ---             |               |                                                                 |               |

REMARKS: Collected composite soil sample for testing.

GZA GEOENVIRONMENTAL OF NEW YORK  
 ENGINEERS AND SCIENTISTS

# TEST PIT FIELD LOG

Project Description Stuart-Oliver-Holtz Test Pit No. TP-3  
 Location N1123834.83, E751191.02 (NYSPC)  
 Project Location Rochester, New York File No. 19078.1  
 Date 11/03/94  
 Time Started 10:45  
 Time Completed 11:00  
 Weather Sunny, 55° C  
 GZA Representative Steve Blair  
 Contractor Nothnagle Drilling  
 Operator Tim Wade  
 Make TCB Model 1400B Ground Elevation 526.4 (NVGD)

| DEPTH<br>(feet) | SAMPLE<br>NO. | DESCRIPTION                                                                | REMARK<br>NO. |
|-----------------|---------------|----------------------------------------------------------------------------|---------------|
| ---             |               | Brown SAND, some Silt, little Gravel and Cobbles, moist. [FILL]            |               |
| ---             |               | ... encountered metal pole filled with concrete, wire and metal grate. --- |               |
| 2 ---           |               |                                                                            |               |
| ---             |               | Red brown clayey SILT (suspected natural material) at 3 ft.                |               |
| ---             |               | Bottom of hole at 3.5 ft.                                                  |               |
| 4 ---           |               |                                                                            |               |
| ---             |               |                                                                            |               |
| 6 ---           |               |                                                                            |               |
| ---             |               |                                                                            |               |
| 8 ---           |               |                                                                            |               |
| ---             |               |                                                                            |               |
| 10 ---          |               |                                                                            |               |
| ---             |               |                                                                            |               |
| 12 ---          |               |                                                                            |               |
| ---             |               |                                                                            |               |
| 14 ---          |               |                                                                            |               |
| ---             |               |                                                                            |               |

REMARKS: Collected composite soil sample for testing.

GZA GEOENVIRONMENTAL OF NEW YORK  
 ENGINEERS AND SCIENTISTS

# TEST PIT FIELD LOG

|                                                |                                                 |
|------------------------------------------------|-------------------------------------------------|
| Project Description <u>Stuart-Oliver-Holtz</u> | Test Pit No. <u>TP-4</u>                        |
| Project Location <u>Rochester, New York</u>    | Location <u>N1123769.78, E751106.57 (NYSPC)</u> |
|                                                | File No. <u>19078.1</u>                         |
|                                                | Date <u>11/03/94</u>                            |
| GZA Representative <u>Steve Blair</u>          | Time Started <u>1320</u>                        |
| Contractor <u>Nothnagle Drilling</u>           | Time Completed <u>1340</u>                      |
| Operator <u>Tim Wade</u>                       | Weather <u>Sunny, 55° C</u>                     |
| Make <u>TCB</u> Model <u>1400B</u>             | Ground Elevation <u>528.9 (NVGD)</u>            |

| DEPTH<br>(feet) | SAMPLE<br>NO. | DESCRIPTION                                                                                                                                                 | REMARK<br>NO. |
|-----------------|---------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|
| ---             |               | Brown SAND, some Silt, little Gravel, moist. [FILL]                                                                                                         |               |
| ---             |               |                                                                                                                                                             |               |
| 2               |               | ... encountered metal pipe, concrete, wood and wire between 2.5 ft. and 4.5 ft.                                                                             |               |
| ---             |               |                                                                                                                                                             |               |
| 4               |               |                                                                                                                                                             |               |
| ---             |               |                                                                                                                                                             |               |
| 6               |               |                                                                                                                                                             |               |
| ---             |               |                                                                                                                                                             |               |
| 8               |               | Red brown SILT at 7.5 ft., some Sand, moist (suspected natural material) at 7.0 ft.<br>Red brown clayey SILT at 7.5 ft.<br><b>Bottom of hole at 8.0 ft.</b> |               |
| ---             |               |                                                                                                                                                             |               |
| 10              |               |                                                                                                                                                             |               |
| ---             |               |                                                                                                                                                             |               |
| 12              |               |                                                                                                                                                             |               |
| ---             |               |                                                                                                                                                             |               |
| 14              |               |                                                                                                                                                             |               |
| ---             |               |                                                                                                                                                             |               |

REMARKS: Collected composite soil sample for testing.

GZA GEOENVIRONMENTAL OF NEW YORK  
ENGINEERS AND SCIENTISTS

# TEST PIT FIELD LOG

Project Description Stuart-Oliver-Holtz Test Pit No. TP-5  
 Location N1123649.86, E751065.48 (NYSPC)  
 Project Location Rochester, New York File No. 19078.1  
 Date 11/03/94  
 Time Started 1315  
 Time Completed 1330  
 Weather Sunny, 55° C  
 GZA Representative Steve Blair  
 Contractor Nothnagle Drilling  
 Operator Tim Wade  
 Make TCB Model 1400B Ground Elevation 530.5 (NVGD)

| DEPTH<br>(feet) | SAMPLE<br>NO. | DESCRIPTION                                                            | REMARK<br>NO. |
|-----------------|---------------|------------------------------------------------------------------------|---------------|
| ---             |               | Brown SAND, some Silt, little Gravel, moist. [FILL]                    |               |
| ---             |               |                                                                        |               |
| 2               |               | ... grades light brown, difficulty excavating.                         |               |
| ---             |               |                                                                        |               |
| 4               |               |                                                                        |               |
| ---             |               |                                                                        |               |
| 6               |               | Black-brown SAND and SILT, moist (suspected natural material) at 6 ft. |               |
| ---             |               | ... mottled red brown and gray at 8 ft.                                |               |
| 8               |               | Red brown clayey SILT, moist at 8 ft.                                  |               |
| ---             |               | Bottom of hole at 8 ft.                                                |               |
| ---             |               |                                                                        |               |
| 10              |               |                                                                        |               |
| ---             |               |                                                                        |               |
| 12              |               |                                                                        |               |
| ---             |               |                                                                        |               |
| 14              |               |                                                                        |               |
| ---             |               |                                                                        |               |

REMARKS: Collected composite soil sample for testing.

GZA GEOENVIRONMENTAL OF NEW YORK  
 ENGINEERS AND SCIENTISTS

# TEST PIT FIELD LOG

Project Description Stuart-Oliver-Holtz Test Pit No. TP-6  
 Project Location Rochester, New York Location N1123551.96, E751272.44 (NYSPC)  
 File No. 19078.1  
 Date 11/03/94  
 Time Started 2:00  
 Time Completed 2:15  
 Weather Sunny, 55° C  
 GZA Representative Steve Blair  
 Contractor Nothnagle Drilling  
 Operator Tim Wade  
 Make TCB Model 1400B Ground Elevation 532.2 (NVGD)

| DEPTH<br>(feet) | SAMPLE<br>NO. | DESCRIPTION                                                               | REMARK<br>NO. |
|-----------------|---------------|---------------------------------------------------------------------------|---------------|
| ---             |               | Brown SAND, some Silt, little Gravel, moist. [FILL]                       |               |
| 2               |               | ... encountered metal, styrofoam, glass in upper 2 ft.                    |               |
| ---             |               | Light brown SAND, some Silt, damp (suspected natural material) at 3.5 ft. |               |
| 4               |               | Bottom of hole at 3.8 ft.                                                 |               |
| ---             |               |                                                                           |               |
| 6               |               |                                                                           |               |
| ---             |               |                                                                           |               |
| 8               |               |                                                                           |               |
| ---             |               |                                                                           |               |
| 10              |               |                                                                           |               |
| ---             |               |                                                                           |               |
| 12              |               |                                                                           |               |
| ---             |               |                                                                           |               |
| 14              |               |                                                                           |               |
| ---             |               |                                                                           |               |

REMARKS: 1. Pit terminated at shallow depth due to potential presence of utilities.  
 2. Collected composite soil sample for testing.

GZA GEOENVIRONMENTAL OF NEW YORK  
 ENGINEERS AND SCIENTISTS



**Test Boring Logs and  
Monitoring Well Installation Records  
Prepared by  
H & A of New York**

## SUBJECT TO REVISION

|                                                                                                              |                   |                        |                          |                   |                                 |                                                                                                           |  |                                                    |  |
|--------------------------------------------------------------------------------------------------------------|-------------------|------------------------|--------------------------|-------------------|---------------------------------|-----------------------------------------------------------------------------------------------------------|--|----------------------------------------------------|--|
| H&A OF NEW YORK, ROCHESTER, NEW YORK<br>Consulting Geotechnical Engineers,<br>Geologists and Hydrogeologists |                   |                        |                          |                   |                                 | TEST BORING REPORT                                                                                        |  | BORING NO. B101-OW                                 |  |
| PROJECT: RUBY-GORDON/MARKETPLACE PARCEL<br>CLIENT: RUBY-GORDON<br>CONTRACTOR: NOTHWAGLE DRILLING CO.         |                   |                        |                          |                   |                                 |                                                                                                           |  | FILE NO. 70238-42<br>SHEET NO. 1 OF 1<br>LOCATION: |  |
| ITEM                                                                                                         |                   | CASING                 | DRIVE SAMPLER            | CORE BARREL       | DRILLING EQUIPMENT & PROCEDURES |                                                                                                           |  | ELEVATION:                                         |  |
| TYPE                                                                                                         |                   | Auger                  | S                        | ---               | RIG TYPE: Diedrich D-50         |                                                                                                           |  | DATUM:                                             |  |
| INSIDE DIAMETER (IN)                                                                                         |                   | 4 in.                  | 1-5/8                    | ---               | BIT TYPE: ---                   |                                                                                                           |  | START: 13 Dec. 1991                                |  |
| HAMMER WEIGHT (LB)                                                                                           |                   | ---                    | 250                      | ---               | DRILL MUD: ---                  |                                                                                                           |  | FINISH: 13 Dec. 1991                               |  |
| HAMMER FALL (IN)                                                                                             |                   | ---                    | 30                       | ---               | OTHER: ---                      |                                                                                                           |  | DRILLER: N. Short<br>H&A REP: S. Parker            |  |
| DEPTH (FT)                                                                                                   | OVA READING (PPM) | SAMPLER BLOWS PER 6 IN | SAMPLE NUMBER & RECOVERY | SAMPLE DEPTH (FT) | STRATA CHANGE (FT)              | VISUAL CLASSIFICATION AND REMARKS                                                                         |  |                                                    |  |
| 0.5                                                                                                          | No Odor           | 5                      | S1                       | 0.0               |                                 | Medium soft brown SILT, little clay trace to little fine sand and gravel above 0.3 ft.                    |  |                                                    |  |
| 10                                                                                                           |                   | 8                      | 10"/24"                  | 2.0               | 2.2                             |                                                                                                           |  |                                                    |  |
| 15                                                                                                           |                   | 10                     | S2                       | 2.0               |                                 | Dense light brown to brown fine SAND, few silty seams. With occasional -FILL-                             |  |                                                    |  |
| 20                                                                                                           |                   | 22                     | 22"/24"                  | 4.0               | 4.0                             |                                                                                                           |  |                                                    |  |
| 25                                                                                                           |                   | 25                     | S3                       | 4.0               |                                 | Very stiff brown to red CLAY, varved, alternating red sand brown color varves. layers. -GLACIOLACUSTRINE- |  |                                                    |  |
| 30                                                                                                           |                   | 27                     | 18"/24"                  | 6.0               |                                 | Very stiff same, becoming moist, softer below 7.0 ft.                                                     |  |                                                    |  |
| 35                                                                                                           |                   | 6                      | S4                       | 6.0               | 7.0                             |                                                                                                           |  |                                                    |  |
| 40                                                                                                           |                   | 7                      | 22"/24"                  | 8.0               | 8.0                             |                                                                                                           |  |                                                    |  |
| 45                                                                                                           |                   | 10                     | S5                       | 8.0               |                                 | Dense light brown silty fine SAND, trace to little coarse to medium sand, trace gravel, damp.             |  |                                                    |  |
| 50                                                                                                           |                   | 11                     | 21"/24"                  | 10.0              |                                 | Obstruction, no recovery spoon was wet and sandy. 2 ppm inside augers. -GLACIOLACUSTRINE-                 |  |                                                    |  |
| 55                                                                                                           |                   | 13                     | S6                       | 10.0              |                                 |                                                                                                           |  |                                                    |  |
| 60                                                                                                           |                   | 14                     | 0"/24"                   | 12.0              |                                 | OVA reading 2 ppm inside augers.                                                                          |  |                                                    |  |
| 65                                                                                                           |                   | 16                     | S7                       | 12.0              | 12.9                            | Hard gray silty CLAY, little coarse to fine sand, little gravel. -GLACIAL TILL-                           |  |                                                    |  |
| 70                                                                                                           |                   | 17                     | S8                       | 14.0              |                                 |                                                                                                           |  |                                                    |  |
| 75                                                                                                           |                   | 14                     |                          | 14.0              |                                 |                                                                                                           |  |                                                    |  |
| 80                                                                                                           |                   | 14                     |                          | 14.0              |                                 |                                                                                                           |  |                                                    |  |
| 85                                                                                                           |                   | 31                     |                          | 14.0-14.8         |                                 | Bottom of Exploration at 15.0 ft.                                                                         |  |                                                    |  |
| 90                                                                                                           |                   | 82                     |                          |                   |                                 |                                                                                                           |  |                                                    |  |
| 95                                                                                                           |                   | 111/.3                 |                          |                   |                                 |                                                                                                           |  |                                                    |  |
| 100                                                                                                          |                   |                        |                          |                   |                                 |                                                                                                           |  |                                                    |  |
| 105                                                                                                          |                   |                        |                          |                   |                                 |                                                                                                           |  |                                                    |  |
| 110                                                                                                          |                   |                        |                          |                   |                                 |                                                                                                           |  |                                                    |  |
| 115                                                                                                          |                   |                        |                          |                   |                                 |                                                                                                           |  |                                                    |  |
| 120                                                                                                          |                   |                        |                          |                   |                                 |                                                                                                           |  |                                                    |  |
| 125                                                                                                          |                   |                        |                          |                   |                                 |                                                                                                           |  |                                                    |  |
| 130                                                                                                          |                   |                        |                          |                   |                                 |                                                                                                           |  |                                                    |  |
| 135                                                                                                          |                   |                        |                          |                   |                                 |                                                                                                           |  |                                                    |  |
| 140                                                                                                          |                   |                        |                          |                   |                                 |                                                                                                           |  |                                                    |  |
| 145                                                                                                          |                   |                        |                          |                   |                                 |                                                                                                           |  |                                                    |  |
| 150                                                                                                          |                   |                        |                          |                   |                                 |                                                                                                           |  |                                                    |  |
| 155                                                                                                          |                   |                        |                          |                   |                                 |                                                                                                           |  |                                                    |  |
| 160                                                                                                          |                   |                        |                          |                   |                                 |                                                                                                           |  |                                                    |  |
| 165                                                                                                          |                   |                        |                          |                   |                                 |                                                                                                           |  |                                                    |  |
| 170                                                                                                          |                   |                        |                          |                   |                                 |                                                                                                           |  |                                                    |  |
| 175                                                                                                          |                   |                        |                          |                   |                                 |                                                                                                           |  |                                                    |  |
| 180                                                                                                          |                   |                        |                          |                   |                                 |                                                                                                           |  |                                                    |  |
| 185                                                                                                          |                   |                        |                          |                   |                                 |                                                                                                           |  |                                                    |  |
| 190                                                                                                          |                   |                        |                          |                   |                                 |                                                                                                           |  |                                                    |  |
| 195                                                                                                          |                   |                        |                          |                   |                                 |                                                                                                           |  |                                                    |  |
| 200                                                                                                          |                   |                        |                          |                   |                                 |                                                                                                           |  |                                                    |  |
| 205                                                                                                          |                   |                        |                          |                   |                                 |                                                                                                           |  |                                                    |  |
| 210                                                                                                          |                   |                        |                          |                   |                                 |                                                                                                           |  |                                                    |  |
| 215                                                                                                          |                   |                        |                          |                   |                                 |                                                                                                           |  |                                                    |  |
| 220                                                                                                          |                   |                        |                          |                   |                                 |                                                                                                           |  |                                                    |  |
| 225                                                                                                          |                   |                        |                          |                   |                                 |                                                                                                           |  |                                                    |  |
| 230                                                                                                          |                   |                        |                          |                   |                                 |                                                                                                           |  |                                                    |  |
| 235                                                                                                          |                   |                        |                          |                   |                                 |                                                                                                           |  |                                                    |  |
| 240                                                                                                          |                   |                        |                          |                   |                                 |                                                                                                           |  |                                                    |  |
| 245                                                                                                          |                   |                        |                          |                   |                                 |                                                                                                           |  |                                                    |  |
| 250                                                                                                          |                   |                        |                          |                   |                                 |                                                                                                           |  |                                                    |  |
| WATER LEVEL DATA                                                                                             |                   |                        |                          |                   |                                 | SAMPLE IDENTIFICATION                                                                                     |  | SUMMARY                                            |  |
| DATE                                                                                                         | TIME              | ELAPSED TIME (HR)      | DEPTH (FT) TO:           |                   |                                 | O Open End Rod<br>T Thin Wall Tube<br>U Undisturbed Sample<br>S Split Spoon                               |  | OVERBURDEN (LIN FT): 15.0                          |  |
|                                                                                                              |                   |                        | BOTTOM OF CASING         | BOTTOM OF HOLE    | WATER                           |                                                                                                           |  | ROCK CORED (LIN FT):                               |  |
|                                                                                                              | 10:30             |                        | 12.0                     | 14.0              | 8.9                             |                                                                                                           |  | SAMPLES: 8S                                        |  |
|                                                                                                              | 11:00             |                        | 12.0                     | 14.0              | 8.2                             |                                                                                                           |  | BORING NO. B101-OW                                 |  |

 PRELIMINARY FIELD LOG  
 SUBJECT TO REVISION

# PRELIMINARY FIELD LOG

## SUBJECT TO REVISION

H&A OF NEW YORK  
CONSULTING GEOTECHNICAL ENGINEERS  
GEOLOGISTS AND HYDROGEOLOGISTS

OVERBURDEN GROUNDWATER MONITORING WELL REPORT

PROJECT: MARKETPLACE PARCEL  
LOCATION: HENRIETTA, NEW YORK  
CLIENT: RUBY-GORDON  
CONTRACTOR: NOTHNAGLE DRILLING  
DRILLER: N. Short RIG TYPE: Diedrick D-50  
INSTALLATION DATE: 13 December 1991

FILE NO.: 70236-42  
WELL NO.: B101-OW  
LOCATION: See Plan  
SHEET: 1 OF 1  
INSPECTOR: S. Parker

### Survey

Datum Not Surveyed

### Ground

Elevation: 528 ft. (approximate)

S  
U  
M  
M  
A  
R  
I  
Z  
E  
S  
T  
O  
O  
L  
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C  
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I  
O  
N  
S

-TOPSOIL/  
FILL-

-CEMENT  
GROUT-

1.5 ft.

2.2 ft.

-LACUSTRINE  
CLAY-

-BENTONITE-

3.0 ft.

8.0 NOTE

-LACUSTRINE  
SILTY  
SAND-

-QUARTZ  
SAND-

12.9 ft.

-GLACIAL  
TILL-

15.0 ft.

Depth/Stickup above/below ground  
surface of protective casing.

Depth below ground  
surface of riser pipe.

0.50 ft.

Thickness of Surface Seal

3.0 ft.

Type of Surface Seal

Cement Grout

[indicated all seals showing depth,  
thickness and type]

Type of Protective Casing

Roadway Box

Inside Diameter of Protective Casing

1.0 ft.

Depth of Bottom of Protective Casing

0.5 ft.

Inside Diameter of Riser Pipe

2 in.

Type of Backfill Around Riser

Sand/Bentonite

Diameter of Borehole

8 in.

Type of coupling (threaded, welded, etc.)

Threaded

Depth of Bottom of Riser

4.1 ft.

Type of Wellscreen

PVC

Screen Slot Size

.010 in.

Diameter of Wellscreen

2 in.

Type of Backfill Around Wellscreen

Quartz Sand

Depth of Bottom of Wellscreen

14.1 ft.

Depth of Bottom of Borehole

15.0 ft.

Remarks:

Well No. B101-OW

**Drilling Logs**  
**Prepared by**  
**Erdman, Anthony and Associates**

PROJECT: 271 W. HENRIETTA ROAD, HENRIETTA, NY PROJ. NO.: 19010.78 SHEET 1 OF 1

START DATE: 11/10/92 COMPLETION DATE: 11/10/92 GROUND ELEV.: GRADE BORING NO.: B-2/MW-2

DRILLER: NOTHNAGLE DRILLING BORING LOCATION: WESTERN PROPERTY LINE

INSPECTOR: E. JONES WATER LEVEL (DRILLING): APPROX. 4'

DRILLING METHOD: 4 1/4" AUGERS CME RIG WATER LEVEL (POST DRILLING): NOT MEASURED

REMARKS: 2" PVC SCH. 40 MW-3 Installed in completed bore hole.

Screened Interval: 12' to 2' Slot size: 0.010 inch Sandpack: #00 Sand from 12' to 1'

Seal: Bentonite pellet seal from 1.0' to 0.5' hydrated prior to backfilling

| DEPTH<br>0 | BLOWS ON SAMPLER |       |        |        | SAMPLE |           | SOIL AND ROCK INFORMATION<br>REMARKS                                                       | WELL CONSTRUCTION<br>MW - <u>3/2</u><br>Flush Roadway Box |
|------------|------------------|-------|--------|--------|--------|-----------|--------------------------------------------------------------------------------------------|-----------------------------------------------------------|
|            | 0'6"             | 6'12" | 12'18" | 18'24" | N      | NO. DEPTH |                                                                                            |                                                           |
|            |                  |       |        |        |        |           | Asphalt 0.25'                                                                              |                                                           |
|            | 4                | 6     |        |        |        |           | Damp brown m. dense SILT, some Sand, little Gravel (Glacial Till) ML massive               |                                                           |
| 5          | 6                | 7     | 7      | 8      | 13     | 1         | 2'-4'                                                                                      |                                                           |
|            |                  |       |        |        |        |           | becomes Wet water table approx. 4'                                                         |                                                           |
|            | 14               | 14    | 7      | 12     | 14     | 2         | 4'-6'                                                                                      |                                                           |
|            |                  |       | 19     | 20     | 33     | 3         | 6'-8'                                                                                      |                                                           |
| 10         |                  |       |        |        |        |           | becomes Dense                                                                              |                                                           |
|            |                  |       |        |        |        |           | 10.0'                                                                                      |                                                           |
|            | 2                | 6     |        |        |        |           | Wet damp brown m. dense f-c SAND, trace Silt (lacustrine) SP                               |                                                           |
|            |                  |       | 8      | 11     | 14     | 4         | 10'-12'                                                                                    |                                                           |
| 15         |                  |       |        |        |        |           | Boring Terminated at 12.0'                                                                 | Total depth: 12.0'                                        |
|            |                  |       |        |        |        |           | Advanced test boring with 4 1/4" Hollow Stem Augers.                                       |                                                           |
| 20         |                  |       |        |        |        |           | 2" PVC monitoring well installed in completed borehole.                                    |                                                           |
|            |                  |       |        |        |        |           | NOTE: WELL NAME was changed by G2A, from MW-3 to MW-2 based on the EAA well location plan. |                                                           |
| 25         |                  |       |        |        |        |           |                                                                                            |                                                           |
|            |                  |       |        |        |        |           |                                                                                            |                                                           |
|            |                  |       |        |        |        |           |                                                                                            |                                                           |
| 30         |                  |       |        |        |        |           |                                                                                            |                                                           |

N=No. of Blows to Drive 2" Spoon 12" with 140 lb. wt. 30" Ea. Blow

**COPY**

**Test Boring Logs**  
**Prepared by**  
**Lozier Architects/Engineers, Inc.**

| PROJECT             |              |            |                              |          |             | TEST BORING LOG                                                                                                                                        |        | BORING NO. 1 |                                 |
|---------------------|--------------|------------|------------------------------|----------|-------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|--------|--------------|---------------------------------|
| CLIENT              |              |            |                              |          |             | SHEET 1 OF 2                                                                                                                                           |        |              |                                 |
| DRILLING CONTRACTOR |              |            |                              |          |             | JOB NO. 3104                                                                                                                                           |        |              |                                 |
| PURPOSE             |              |            |                              |          |             | ELEVATION                                                                                                                                              |        |              |                                 |
| GROUNDWATER         |              |            |                              |          |             | CASING                                                                                                                                                 | SAMPLE | CORE         | DATUM +100'(site) = +530'(USGS) |
| DATE                | TIME         | DEPTH      | CASING                       | TYPE     | HS Auger    |                                                                                                                                                        |        |              | DATE STARTED 01/13/87           |
|                     |              |            |                              | DIAMETER | 3 3/4" ID   |                                                                                                                                                        |        |              | DATE FINISHED 01/13/87          |
|                     |              |            |                              | WEIGHT   | 140 LB.     |                                                                                                                                                        |        |              | DRILLER Dave Reynolds           |
|                     |              |            |                              | FALL     | 30 IN.      |                                                                                                                                                        |        |              | INSPECTOR R. Teifke             |
| DEPTH FT.           | CASING BLOWS | SAMPLE NO. | BLOWS ON SAMPLE SPOON PER 6" | Rec. FT. | GRAPHIC LOG | IDENTIFICATION                                                                                                                                         |        |              | REMARKS                         |
| 2                   |              | SS-1       | 2                            | N.A.     |             | 0-2 silty and pebbly clay.                                                                                                                             |        |              | SS-1 3ppm<br>Q: 100<br>pH: 15   |
|                     | 4            |            |                              |          |             |                                                                                                                                                        |        |              |                                 |
|                     | 8            |            |                              |          |             |                                                                                                                                                        |        |              |                                 |
|                     | 11           |            |                              |          |             |                                                                                                                                                        |        |              |                                 |
| 5                   |              | SS-2       | 4                            | 0.2      |             | 2-5 silty brown CLAY; drilled smoothly throughout.                                                                                                     |        |              |                                 |
|                     | 3            |            |                              |          |             |                                                                                                                                                        |        |              |                                 |
|                     | 1            |            |                              |          |             |                                                                                                                                                        |        |              |                                 |
|                     | 4            |            |                              |          |             |                                                                                                                                                        |        |              |                                 |
| 7                   |              | SS-3       | 4                            | 0.2      |             | 5-7 yellowish-brown and purplish-brown clayey and gritty silt, w/ some small pebbles; damp.<br>measured @ 7.0' upon completion of drilling inside csg. |        |              | SS-2 8ppm                       |
|                     | 3            |            |                              |          |             |                                                                                                                                                        |        |              |                                 |
|                     | 1            |            |                              |          |             |                                                                                                                                                        |        |              |                                 |
|                     | 4            |            |                              |          |             |                                                                                                                                                        |        |              |                                 |
| 10                  |              | SS-4       | 4                            | N.A.     |             | 7-10 drilled smoothly and uniformly throughout except for zone of coarse gravel at about 9'.                                                           |        |              |                                 |
|                     | 3            |            |                              |          |             |                                                                                                                                                        |        |              |                                 |
|                     | 1            |            |                              |          |             |                                                                                                                                                        |        |              |                                 |
|                     | 4            |            |                              |          |             |                                                                                                                                                        |        |              |                                 |
| 12                  |              | SS-5       | 31                           | 0.2      |             | 10-12 dark brown clayey till; clay count, pebbles; v. little moisture.<br>water-line on tools during drilling                                          |        |              | SS-3 3ppm                       |
|                     | 38           |            |                              |          |             |                                                                                                                                                        |        |              |                                 |
|                     | 25           |            |                              |          |             |                                                                                                                                                        |        |              |                                 |
|                     | 20           |            |                              |          |             |                                                                                                                                                        |        |              |                                 |
| 14                  |              | SS-6       | 13                           | 1.0      |             | 12-14 brown silty F SAND; saturated.                                                                                                                   |        |              | SS-4 20ppm<br>OUTWASH           |
|                     | 16           |            |                              |          |             |                                                                                                                                                        |        |              |                                 |
|                     | 18           |            |                              |          |             |                                                                                                                                                        |        |              |                                 |
|                     | 19           |            |                              |          |             |                                                                                                                                                        |        |              |                                 |
| 16                  |              | SS-7       | 25                           | 1.6      |             | 14-16 brown sandy TILL, clayey; w/ exotic pebbles up to spoon diam. and larger; damp, but not saturated. clayey silt?                                  |        |              | SS-5 200ppm<br>WASHED TILL      |
|                     | 23           |            |                              |          |             |                                                                                                                                                        |        |              |                                 |
|                     | 19           |            |                              |          |             |                                                                                                                                                        |        |              |                                 |
|                     | 16           |            |                              |          |             |                                                                                                                                                        |        |              |                                 |
| 18                  |              | SS-8       | 14                           | 1.8      |             | 16-18 brown F-M SAND, w/ lenses F (gr. gvl. most, loc. c. silt. red)                                                                                   |        |              | SS-6 60ppm<br>OUTWASH           |
|                     | 11           |            |                              |          |             |                                                                                                                                                        |        |              |                                 |
|                     | 10           |            |                              |          |             |                                                                                                                                                        |        |              |                                 |
|                     | 16           |            |                              |          |             |                                                                                                                                                        |        |              |                                 |
| 20                  |              | SS-9       | 14                           | 1.7      |             | 18-20 brown silty F SAND, locally M. sand; no clay, moist; v. locally med. clayey, locally laminated.                                                  |        |              | SS-7 200ppm<br>OUTWASH          |
|                     | 22           |            |                              |          |             |                                                                                                                                                        |        |              |                                 |
|                     | 31           |            |                              |          |             |                                                                                                                                                        |        |              |                                 |
|                     | 46           |            |                              |          |             |                                                                                                                                                        |        |              |                                 |

## TEST BORING LOG

BORING NO. 1

PROJECT

SHEET 2 OF 2

CLIENT Harter, Secrest, &amp; Emery

JOB NO. 3104

| DEPTH<br>FT. | CASING<br>BLOWS | SAMPLE<br>NO. | BLOWS<br>ON<br>SAMPLE<br>SPOON<br>PER 6" | Rec.<br>Ft. | GRAPHIC<br>LOG                                                                    | IDENTIFICATION                                                                                                                                                                                       | REMARKS                                             |
|--------------|-----------------|---------------|------------------------------------------|-------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------|
| 22           |                 | SS-<br>8      | 19<br>25<br>47<br>69                     | 1.6         |  | 20-22 <sup>clayey silt</sup> reddish-brown silty CLAY;<br>damp; no gravel or grit.                                                                                                                   | SS-8 110 ppm<br>Drilled to 20' w/<br>3 3/4" supers. |
|              |                 |               |                                          |             |                                                                                   | E.O.B.                                                                                                                                                                                               |                                                     |
|              |                 |               |                                          |             |                                                                                   | 8 split-barrel samples taken.                                                                                                                                                                        |                                                     |
|              |                 |               |                                          |             |                                                                                   | <ul style="list-style-type: none"> <li>Composite of S-1 and S-2 submitted for Metals analysis on 01/21.</li> <li>Composite of S-5, S-6, and S-7 submitted for Organics analyses on 01/21.</li> </ul> |                                                     |
|              |                 |               |                                          |             |                                                                                   | NO WELL INTENDED, NO WELL<br>INSTALLED. TERMINATED<br>IN AQUIFER.                                                                                                                                    |                                                     |



# TEST BORING LOG BORING NO. 2

PROJECT

CLIENT *Harter, Seacrest, & Emery*

DRILLING CONTRACTOR *Rochester Drilling*

PURPOSE *Soil Sampling and Monitoring Well*

GROUNDWATER

CASING

SAMPLE

CORE

DATUM +100 (site) = +536 (USGS)

DATE

TIME

DEPTH

CASING

TYPE

*H5 Auger*

DATE STARTED *01/13/87*

DIAMETER

*3 3/4" ID*

DATE FINISHED *01/15/87 \**

WEIGHT

*140 LB.*

DRILLER *Dave Reynolds*

FALL

*30 IN.*

INSPECTOR *R. Taifke*

| DEPTH<br>FT. | CASING<br>BLOWS | SAMPLE<br>NO. | BLOWS<br>ON<br>SAMPLE<br>SPOON<br>PER 6" | Rec.<br>Pt. | GRAPHIC<br>LOG | IDENTIFICATION                                                                                      | REMARKS          |
|--------------|-----------------|---------------|------------------------------------------|-------------|----------------|-----------------------------------------------------------------------------------------------------|------------------|
|              |                 |               | WR                                       |             |                | 0-2 reddish-brown sandy and pebbly clay w/ trash.                                                   | SS-1 30 ppm      |
|              |                 | SS-1          | WR                                       | 0.2         |                |                                                                                                     |                  |
|              |                 |               | WR+3                                     |             |                |                                                                                                     |                  |
| -2           |                 |               | 10                                       |             |                |                                                                                                     |                  |
|              |                 | GS-1          |                                          |             |                | 2-5 reddish-brown sandy clay underlain by dark gray sand clay (sampled gray clay from auger blades) | gy clay. 400 ppm |
| 6            |                 |               | 7                                        |             |                | 5.0-5.5 dark gray to black silty CLAY.                                                              | SS-2 >2000 ppm   |
|              |                 | SS-2          | 8                                        | 1.5         |                | 6.5-6.5 reddish-brown variegated plastic CLAY w/ high tenacity.                                     |                  |
|              |                 |               | 12                                       |             |                |                                                                                                     |                  |
| 7            |                 |               | 14                                       |             |                | 7-10 brown and reddish-brown tough plastic clay; sl. damp.                                          |                  |
|              |                 |               |                                          |             |                | measured                                                                                            |                  |
| 10           |                 |               |                                          |             |                | 9.5 on 40:1 C.V.A.                                                                                  |                  |
|              |                 | SS-3          | 4                                        | 1.4         |                | 0.4 orange-brown silty clay w/ gravel.                                                              | SS-3 200 ppm     |
|              |                 |               | 6                                        |             |                | 1.0 brownish-red variegated tough clay.                                                             |                  |
|              |                 |               | 14                                       |             |                | (7' on core)                                                                                        |                  |
| 12           |                 |               | 14                                       |             |                | 12.0-12.4 tough red plastic CLAY.                                                                   | SS-4 9 ppm       |
|              |                 | SS-4          | 20                                       | 1.4         |                | 12.4-13.4 tough drab reddish-brown plastic CLAY.                                                    |                  |
|              |                 |               | 19                                       |             |                |                                                                                                     |                  |
| 14           |                 |               | 22                                       |             |                | 14.0-14.2 tough red plastic CLAY.                                                                   | SS-5 8 ppm       |
|              |                 | SS-5          | 46                                       |             |                | 14.2-15.7 reddish-brown silty CLAY w/ scatter small to medium rounded pebbles; moist.               |                  |
| 15           |                 |               | 6                                        | 1.7         |                | 16.0                                                                                                |                  |
|              |                 |               | 10                                       |             |                | 16-17.1 reddish-gray clayey and silty SAND w/ abundant fine-grained gravel; moist to wet.           | SS-6 20 ppm      |
| 16           |                 | SS-6          | 8                                        | 1.1         |                |                                                                                                     |                  |
|              |                 |               | 7                                        |             |                |                                                                                                     |                  |
|              |                 |               | 10                                       |             |                |                                                                                                     |                  |
|              |                 |               | 15                                       |             |                | 18-19.6 reddish-gray slightly clayey silty SAND and fine-grained GRAVEL.                            | SS-7 10 ppm      |
| 18           |                 | SS-7          | 15                                       | 1.6         |                |                                                                                                     |                  |
|              |                 |               | 12                                       |             |                |                                                                                                     |                  |
|              |                 |               | 15                                       |             |                |                                                                                                     |                  |
| 20           |                 |               | 15                                       |             |                |                                                                                                     |                  |

1. ...  
R. Taifke

TEST BORING LOG

BORING NO. 2

PROJECT

SHEET 2 OF 2

CLIENT Harter, Secrest, &amp; Emery

JOB NO. 3104

| DEPTH<br>FT. | CASING<br>BLOWS | SAMPLE<br>NO. | BLOWS<br>ON<br>SAMPLE<br>SPOON<br>PER 6" | Rec.<br>Ft | GRAPHIC<br>LOG | IDENTIFICATION                                                                                                                                                                     | REMARKS                                    |
|--------------|-----------------|---------------|------------------------------------------|------------|----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------|
| 22           |                 | 55-8          | 8<br>10<br>13<br>16                      | 1.7        |                | 20-22 reddish-gray F-VC, poorly sorted pebbly SAND; wet to saturated.                                                                                                              | SS-8 14 ppm                                |
| 24           |                 | 55-9          | 12<br>15<br>19<br>20                     | 1.8        |                | 22-23.8 reddish-gray, fairly well sorted, F-C SAND w/ small percentage VF-grained gravel; moist to wet.                                                                            | SS-9 13 ppm<br>Measure SWL in the morning. |
|              |                 |               |                                          |            |                | E.O.B.<br>Auger to 25.0' (4 3/4") on 01/19.                                                                                                                                        |                                            |
|              |                 |               |                                          |            |                | Σ @ 7.0' below grade @ well completion.<br>2020 on 01/19.                                                                                                                          |                                            |
|              |                 |               |                                          |            |                | Σ @ 7.5' below grade @ beginning of development @ 1720 on 01/19.                                                                                                                   |                                            |
|              |                 |               |                                          |            |                | Well construction as indicated p. 1.<br>* re-occupied drilling location on 01/19 to install well.                                                                                  |                                            |
|              |                 |               |                                          |            |                | <ul style="list-style-type: none"> <li>GS-1 submitted for Metals analysis (+ CN) on 01/21.</li> <li>Composite of GS-1 and S-2 submitted for Organics analysis on 01/21.</li> </ul> |                                            |
|              |                 |               |                                          |            |                | Σ 7.0' below grade @ well completion on 01/19.<br>Σ 7.5' below grade<br>Date Depth E site E USGS<br>(BGL)                                                                          |                                            |
|              |                 |               |                                          |            |                | 9 split-spoon samples<br>Drilled w/ 3" augers : 24'<br>Drilled w/ 6" augers : 25'<br>Well footage : 24'<br>01/19                                                                   |                                            |

## TEST BORING LOG

BORING NO. 3

PROJECT

SHEET 1 OF 2

JENT Harter, Seacrest, &amp; Emery

DRILLING CONTRACTOR Rochester Drilling

JOB NO. 3104

PURPOSE Soil Sampling and Monitoring Well

ELEVATION 530.9 MSL

GROUNDWATER

CASING

SAMPLE

CORE

DATUM +100' (site) = +530' (USGS)

DATE

TIME

DEPTH

CASING

TYPE

HS Auger

DATE STARTED 01/14/87

DIAMETER

6 1/4 ID.

DATE FINISHED 01/15/87

WEIGHT

140 LB.

DRILLER Dave Reynolds

FALL

30" IN.

INSPECTOR R. Teifke

| DEPTH<br>FT. | CASINO<br>BLOWS | SAMPLE<br>NO. | BLOWS<br>ON<br>SAMPLE<br>SPOON<br>PER 6" | Rec.<br>Pt. | GRAPHIC<br>LOG | IDENTIFICATION                                                                                                                                                               | REMARKS                                  |
|--------------|-----------------|---------------|------------------------------------------|-------------|----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------|
| 2            |                 | SS-1          | 6<br>5<br>9<br>12                        | 0.1         |                | 0-2 crushed rock w/ some reddish-brown tough plastic clay.                                                                                                                   | 20 ppm                                   |
|              |                 | GS-1          |                                          |             |                | 2.0-3.5 brick red gritty CLAY; dry.                                                                                                                                          | 10 ppm                                   |
|              |                 | GS-2          |                                          | N.A.        |                | 3.5-5.0 reddish-brown silty and clayey VF SAND; damp; w/ admixed grit.                                                                                                       | 15 ppm                                   |
| 3            |                 | SS-2          | 7<br>16<br>15<br>14                      | 1.9         |                | 5-5.3 red tough CLAY<br>5.3-6.9 silty brown VF SAND w/ thin beds<br>M-B sand; w/ silty gravel incl green (red) shale; damp to dry.                                           | 8 ppm                                    |
| 7            |                 | GS-3          |                                          | N.A.        |                | 7-10 reddish-brown and brown TILL, variously clayey and silty, w/ abundant cobbles.<br>Driller: base TILL unit @ 8.5'.<br>clayey silt; damp to moist.                        | 12 ppm                                   |
| 10           |                 | SS-3          | 23<br>33<br>42<br>40                     | 1.6         |                | 10-12 reddish-gray, sandy, silty sl. clayey TILL, w/ v. abund. F-M (to 2") pebble gravel; damp, dense.                                                                       | 2 ppm                                    |
| 12           |                 | SS-4          | 35<br>53<br>91<br>20                     | 1.3         |                | 12-14 l.s.; except reddish-brown in upper one-half; reddish-gray in lower one-half.                                                                                          | 3 ppm                                    |
| 14           |                 | SS-5          | 25<br>49<br>52<br>90                     | 1.7         |                | 14-14.4 brown silty TILL, w/ Fgvl. = rest.<br>14.4-15.7 brown/purple/red clayey TILL, dry, v. dense; w/ frags. green shale.                                                  | 10 ppm<br>not interval<br>hole 15.7-16.0 |
| 16           |                 | SS-6          | 78<br>100/LA                             | 1.3         |                | 16-17 reddish-brown TILL; dry, v. dense.                                                                                                                                     | 3 ppm                                    |
| 18           |                 | SS-7          | 50<br>84<br>88<br>85                     | 1.7         |                | 17-18 borehole filled this mud; sand (W) and drilled more-or-less horizontally.<br>18-18.9 reddish-gray silty TILL; damp.<br>18.9-19.7 brownish-red clayey TILL; dense; dry. | 3 ppm                                    |

## TEST BORING LOG

BORING NO. 3

PROJECT

SHEET 2 OF 2

CLIENT

Harler, Secret, &amp; Emery

JOB NO. 3104

| DEPTH<br>FT. | CASINO<br>BLOWS | SAMPLE<br>NO. | BLOWS<br>ON<br>SAMPLE<br>SPOON,<br>PER 6" | Rec.<br>Ft. | GRAPHIC<br>LOG | IDENTIFICATION                                                                                                                                                                                                                                                                                                                               | REMARKS                            |
|--------------|-----------------|---------------|-------------------------------------------|-------------|----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------|
| 22           |                 | SS-8          | 39<br>60<br>94<br>95                      | 1.8         |                | 20-22 reddish-brown TILL; dense; damp to dry (essentially as above).                                                                                                                                                                                                                                                                         | 3 ppm                              |
| 24           |                 | SS-9          | 57<br>100/4"                              | 0.3         |                | 22-24 A.A.<br><br>WED<br>THUR Fluid in hole to 6' from surface<br>23-24' (not sampled WED.) dis. r. l.<br>coarsely. drive till stopped at 23' 11".                                                                                                                                                                                           | Refer to test<br>info!<br>5 ppm    |
| 26           |                 | SS-10         | 45<br>82<br>100/4"                        | 1.5         |                | 24-26 reddish-brown clayey till w/ ~ 0.2' reddish-grey silty till at base.                                                                                                                                                                                                                                                                   |                                    |
| 28           |                 | SS-11         | 56<br>82<br>100/4"                        | 1.4         |                | 26-27.1 reddish-brown clayey silty till; dense; damp to dry.<br>27.1-27.4 brown clayey silt w/ grit and F gravel, wet.                                                                                                                                                                                                                       |                                    |
| 30           |                 | SS-12         | 66<br>100/6"                              | 1.0         |                | 28-30 brick-red clayey silty till; dense; damp.<br><br>E.O.B.                                                                                                                                                                                                                                                                                | Drilled to 30' w/<br>6 3/4" auger. |
|              |                 |               |                                           |             |                | Set well screen at 8.5' - 18.5' below grade.<br><br>Sand pack top @ 6.5' below grade<br>Bentonite seal top @ 4.5' below grade<br><br>3 bags ± #3-Q-Rox<br>pails Bentonite Pellets<br>Lump amt. of gravel required.<br><br>• GS-2 submitted for Metals analysis on 01/21.<br><br><br>X @ 3.5' TOC @ 1000 on 01/20, imm. prior to development. |                                    |

## TEST BORING LOG

BORING NO. 4

PROJECT

SHEET 1 OF 2

AGENT *Harter, Seacrest, & Emery*DRILLING CONTRACTOR *Rochester Drilling*JOB NO. *3104*PURPOSE *Soil Sampling*ELEVATION *528.3 MSL*

GROUNDWATER

CASING

SAMPLE

CORE

DATUM *+100'(site) = +530'(USGS)*

DATE

TIME

DEPTH

CASING

TYPE

*H5 Auger*

DATE STARTED

*01/16/87*

DIAMETER

*6 3/4 ID*

DATE FINISHED

*01/19/87*

WEIGHT

*140 LB.*

DRILLER

*Dave Reynolds*

FALL

*30 IN.*

INSPECTOR

*R. Teifke*

| DEPTH<br>FT. | CASING<br>BLOWS | SAMPLE<br>NO. | BLOWS<br>ON<br>SAMPLE<br>SPOON<br>PER 6" | Rec.<br>Ft. | GRADING<br>LOG | IDENTIFICATION                                                                                       | REMARKS                            |
|--------------|-----------------|---------------|------------------------------------------|-------------|----------------|------------------------------------------------------------------------------------------------------|------------------------------------|
| 2            |                 | SS-1          | 3<br>1<br>1<br>6                         | 1.0         |                | 0-1<br>reddish-brown CLAY, w/ plant roots.                                                           |                                    |
| 3            |                 | GS-1          |                                          | N.A.        |                | 2-5<br>reddish-brown slightly silty CLAY;<br>damp.                                                   |                                    |
| 7            |                 | SS-2          | 9<br>15<br>16<br>23                      | 1.7         |                | 5-7 brick red plastic CLAY; gritty, dense,<br>damp.<br>TOP OF TILL @ 7'                              |                                    |
| 9            |                 | SS-3          | 22<br>21<br>34<br>46                     | 1.0         |                | 7-9 variegated TILL w/ brick red aspect<br>clayey, w/ cobbles; damp to moist.                        |                                    |
| 10           |                 | SS-4          | 15<br>16<br>18<br>17                     | 1.4         |                | 9-11 variegated<br>brick red TILL, locally green; damp.                                              |                                    |
| 12           |                 | SS-5          | 16<br>20                                 | 1.0         |                | 11-12<br>A.A.                                                                                        |                                    |
| 14           |                 | SS-6          | 20<br>27<br>25<br>25                     | 1.8         |                | 12-14 A.A. except, bottom 0.1' is grayish-<br>brown clayey silt (wet).<br>BASE VARIEGATED TILL @ 14' | 01/16<br>↓<br>15 ppm<br>01/18<br>↑ |
| 16           |                 | SS-7          | 25<br>53<br>65<br>100/4"                 | 1.5         |                | 14-16 reddish-brown silty and clayey<br>TILL; damp.                                                  |                                    |
| 18           |                 | SS-8          | 58<br>42<br>66<br>60                     | 1.0         |                | 16-18<br>A.A.                                                                                        | 12 ppm                             |
|              |                 | SS-9          | 54<br>100/4"                             | 0.4         |                | 18-20<br>A.A.                                                                                        | 12 ppm                             |

## TEST BORING LOG

BORING NO. 4

PROJECT

SHEET 2 OF 2

CLIENT Harter, Seacrest, &amp; Emery

JOB NO 3104

| DEPTH<br>FT. | CASING<br>BLOWS | SAMPLE<br>NO. | BLOWS<br>ON<br>SAMPLE<br>SPOON<br>PER 6" | Reg.<br>Ft | QUANTIC<br>LOG | IDENTIFICATION                                                                                                                              | REMARKS                                       |
|--------------|-----------------|---------------|------------------------------------------|------------|----------------|---------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|
| 22           |                 | SS-10         | 75<br>100/2"                             | 0.9        |                | 20-22<br>brownish-gray clayey TILL; dense, damp.                                                                                            | 20 ppm                                        |
| 24           |                 | SS-11         | 43<br>77<br>95<br>100/4"                 | 1.5        |                | 22-24<br>A.A.                                                                                                                               | 15 ppm                                        |
| 26           |                 | SS-12         | 62<br>88<br>91<br>100                    | 1.5        |                | 24-26<br>A.A.                                                                                                                               | 15 ppm                                        |
| 28           |                 | SS-13         | 82<br>100/4"                             | 0.5        |                | 26-28<br>reddish-brown clayey TILL; dense,<br>damp.                                                                                         |                                               |
| 30           |                 | SS-14         | 85<br>88<br>100/3"                       | 1.3        |                | 28-30<br>A.A.                                                                                                                               | 15 ppm<br>Drilled to 30' w/<br>6 7/8" augers. |
| 31           |                 | SS-15         | 70<br>100                                | 1.1        |                | 30-31 reddish-brown silty TILL; dense,<br>moist in lowermost 0.4'.                                                                          | 11 ppm                                        |
| 33           |                 | SS-16         | 53<br>100/5"                             | 1:4        |                | 31-33 reddish-brown silty TILL; moist.<br><br>E.O.B.                                                                                        | 12 ppm<br>01/19                               |
|              |                 |               |                                          |            |                | 16 split-barrel samples taken.<br><br>NO GROUNDWATER DETECTED;<br>NO WELL INSTALLED.                                                        |                                               |
|              |                 |               |                                          |            |                | <ul style="list-style-type: none"> <li>GS-1 submitted for metals analysis on 01/21.</li> <li>No submittal for Organics analysis.</li> </ul> |                                               |

## TEST BORING LOG

BORING NO. 5

PROJECT

CLIENT *Harter, Seacrest, & Emery*

SHEET 1 OF 2

DRILLING CONTRACTOR *Rochester Drilling*JOB NO. *3104*PURPOSE *Soil Sampling and Monitoring Well*ELEVATION *528.8 MSL*

GROUNDWATER

CASING

SAMPLE

CORE

DATUM  $+100'(\text{site}) = +530'(\text{USGS})$ 

DATE

TIME

DEPTH

CASING

TYPE

HS Auger

DATE STARTED *01/19/87*

DIAMETER

*6 3/4" ID*DATE FINISHED *01/19/87*

WEIGHT

*140 LB.*DRILLER *Dave Reynolds*

FALL

*30 IN.*INSPECTOR *R. Terfke*

| DEPTH<br>FT. | CASING<br>BLOWS | SAMPLE<br>NO. | BLOWS<br>ON<br>SAMPLE<br>SPOON<br>PER 6" | Rec.<br>PT. | GRAPHIC<br>LOG | IDENTIFICATION                                                                                                                                        | REMARKS |
|--------------|-----------------|---------------|------------------------------------------|-------------|----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|---------|
| 2            |                 | SS-1          | 2<br>4<br>3<br>4                         | 1.4         |                | 0.0-2.0<br>brown pebbly silty CLAY, w/ plant<br>roots in upper 0.5'.                                                                                  | 12 ppm  |
| 5            |                 | GS-1          |                                          | N.A.        |                | 2.0-4.0 dark gray to black silty CLAY.<br>4.0-5.0 reddish-brown silty CLAY w/<br>fine gravel.                                                         | 12 ppm  |
| 7            |                 | SS-2          | 4<br>8<br>12<br>16                       | 1.8         |                | 5.0-5.5 reddish-brown variegated plastic<br>CLAY; silty and pebbly at very<br>top.<br>5.5-6.8 brick red plastic CLAY, mottled gray,<br>green, orange. | 12 ppm  |
| 9            |                 | SS-3          | 17<br>21<br>24<br>28                     | 1.4         |                | 7.0-7.4 reddish-brown variegated plastic CLAY.<br>7.4-8.4 brick red variegated plastic CLAY.                                                          | 12 ppm  |
| 10           |                 |               |                                          | N.A.        |                | w/ reference to Boring #2, drilled through<br>from 9' to 13'.<br>tough red plastic clay throughout<br>interval.                                       |         |
| 13           |                 |               |                                          |             |                | 13.0-13.5 uniform brown silty CLAY; wet.                                                                                                              |         |
| 14           |                 | SS-4          | 8<br>8<br>8<br>8                         | 2.0         |                | 13.5-14.0 brown, silty, med. clayey SAND and<br>fine GRAVEL; wet.<br>14.0-15.0 A.A., except fine to medium<br>GRAVEL predominant.                     | 12 ppm  |
| 15           |                 |               |                                          |             |                | W 15.0-15.4 reddish-brown CLAY-SILT; wet.<br>W 15.4-16.7 interbedded coarse SANDS, fine<br>GRAVELS, silty SANDS; saturated.                           | 10 ppm  |
| 17           |                 | SS-5          | 7<br>4<br>4<br>22                        | 2.0         |                | W 16.7-17.0 brownish-red silty TILL, damp to<br>moist.                                                                                                |         |
| 18           |                 | SS-6          | 35<br>100                                | 1.0         |                | W 17-18 reddish-brown silty and clayey<br>TILL, w/ 0.2' lens saturated<br>silty SAND and GRAVEL                                                       | 7 ppm   |
| 19           |                 |               |                                          |             |                | E.O.B.                                                                                                                                                |         |
| 20           |                 |               |                                          |             |                | Auger to 19.0'                                                                                                                                        |         |

BORING NO. 5

SHEET 2 OF 2

JOB NO. 3104

[illegible]



**APPENDIX B**  
**GEOPHYSICAL REPORT**

**TERRAIN CONDUCTIVITY SURVEY  
STUART-OLVER-HOLTZ SITE  
HENRIETTA, NEW YORK**

NYSDEC Site No. 8-28-079  
Work Assignment D003060-7  
TAMS No. 5659

*Prepared for:*

TAMS Consultants, Inc.  
40 Clifton Corporate Park  
Suite 402  
Clifton Park, New York 12065-3829

*Prepared by:*

Hager-Richter Geoscience, Inc.  
8 Industrial Way - D10  
Salem, New Hampshire 03079

File 94D28  
September, 1994

Terrain Conductivity Survey  
Stuart-Olver-Holtz Site  
Henrietta, New York  
File 94D28 September, 1994

## 0. EXECUTIVE SUMMARY

Hager-Richter Geoscience, Inc. conducted a terrain conductivity survey at the Stuart-Olver-Holtz Site in Henrietta, New York for TAMS Consultants, Inc. (TAMS) and GZA GeoEnvironmental of New York (GZA) on September 14, 1994. The survey is part of a Remedial Investigation/Feasibility Study of the site by TAMS/GZA for the New York State Department of Environmental Protection (NYSDEC).

The Stuart-Olver-Holtz Site is located on Commercial Drive in a mixed commercial-industrial area. The Site is approximately 4 acres in size, and includes a 70,000 square foot building. The objectives of the terrain conductivity survey were to detect possible buried drums and/or USTs in the area outside of the building. TAMS/GZA specified the area of interest for the survey and established the survey grid.

Terrain conductivity data were collected at approximately 2½-foot intervals along lines spaced 12½ feet apart. Data were collected with a Geonics EM31-DL terrain conductivity meter in the vertical dipole mode, which samples conductivity to a nominal depth of 18 feet.

Based on the terrain conductivity survey at the Stuart-Olver-Holtz Site in Henrietta, New York, we find the following:

1. Unidentified subsurface metal objects are likely present in several locations of the survey area.
2. Three possible utilities were located within the survey area.
3. For portions of the Site, the presence or absence of buried metal objects cannot be determined due to the interference caused by surface objects such as dumpsters, cars, and the building.

Terrain Conductivity Survey  
Stuart-Oliver-Holtz Site  
Henrietta, New York  
File 94D28 September, 1994

## TABLE OF CONTENTS

|     |                           |   |
|-----|---------------------------|---|
| 0.  | Executive Summary         | i |
| 1.  | Introduction              | 1 |
| 2.  | Equipment and Procedures  | 2 |
| 2.1 | General                   | 2 |
| 2.2 | Limitations of the Method | 2 |
| 2.3 | Site Specific             | 3 |
| 3.  | Results and Discussion    | 4 |
| 4.  | Conclusions               | 5 |
| 5.  | Limitations               | 6 |

## FIGURES

1. Location Map
2. Site Plan
3. Apparent Terrain Conductivity and In-Phase Component
4. Interpretation

## PLATES

1. Apparent Terrain Conductivity
2. In-Phase Component

## APPENDIX

Terrain Conductivity Surveys

Terrain Conductivity Survey  
Stuart-Olver-Holtz Site  
Henrietta, New York  
File 94D28 September, 1994

## 1. INTRODUCTION

Hager-Richter Geoscience, Inc. conducted a terrain conductivity survey at the Stuart-Olver-Holtz Site in Henrietta, New York for TAMS Consultants, Inc. (TAMS) of Clifton Park, New York and GZA GeoEnvironmental of New York (GZA) of Buffalo, New York on September 14, 1994. The survey is part of a Preliminary Site Assessment by TAMS/GZA for the New York State Department of Environmental Protection (NYSDEC).

The Stuart-Olver-Holtz Site is located in a mixed commercial/industrial section of Henrietta, New York. The Site is bounded on the north by Commerce Drive, on the west by a drainage swale, and on the east and south by other commercial properties. Figure 1 shows the general location of the Site, and Figure 2 is a plan of the Site. The Site is a fairly level, and includes a 70,000 square foot building and its surrounding grounds.

The objectives of the terrain conductivity survey were to detect buried drums and/or USTs possibly located on site.

Jonathon Puliafico of Hager-Richter conducted the field operations. The project was coordinated with Mr. James Behan of TAMS and Mr. Vern Kokosa of GZA, and the field work was observed in part by Mr. Thomas Seider of GZA. Data analysis and interpretation were completed at the Hager-Richter offices. Original data and field notes reside in the Hager-Richter files and will be retained for a minimum of three years.

Terrain Conductivity Survey  
Stuart-Oliver-Holtz Site  
Henrietta, New York  
File 94D28 September, 1994

## 2. EQUIPMENT AND PROCEDURES

### 2.1 General

The general procedures and equipment used for the terrain conductivity survey are described in the Appendix. Details specific to this site are presented in section 2.3, Site Specific.

### 2.2 Limitations of the Method

As with any of the electrical geophysical methods, terrain conductivity data are subject to interference from such cultural features as buildings, fencing, and underground and overhead power lines. Thus, the use of the terrain conductivity method in urban settings might be limited.

Terrain conductivity meters were designed and calibrated to be used in the range of natural ground conductivity (i.e., low induction numbers). Values of apparent conductivity greater than about 100 mmho/m are likely not valid measures of actual ground conductivity. In areas where the meters are affected by highly conductive materials (such as metal objects), the values of apparent terrain conductivity measured are not accurate.

The usefulness of terrain conductivity soundings for delineating stratigraphic changes with depth is limited by the relatively small combination (six) of coil separations and dipole orientations available with Geonics' equipment. The instruments were not designed for detailed vertical soundings but, according to the manufacturer's literature (Geonics Technical Note TN-8, rev. 1983), give the most accurate results where the earth can be approximated by a two-layer model. Models of the earth calculated from terrain conductivity data are non-unique; in most cases, multiple models can satisfy the observed data.

The terrain conductivity meter instrument response varies with the orientation of the dipoles. In the horizontal dipole mode (coils vertical and co-planar), the instrument is more sensitive to near-surface conductive layers than it is in the vertical dipole mode (coils horizontal and co-planar). In the horizontal dipole mode, the high sensitivity to near-surface conductivity might mask the effects of changes at depth.

Terrain Conductivity Survey  
Stuart-Olver-Holtz Site  
Henrietta, New York  
File 94D28 September, 1994

### 2.3 Site Specific

TAMS/GZA specified the area of interest for the survey and established a survey grid and its conventions prior to the fieldwork. Data for the terrain conductivity survey were recorded at approximately 2½-foot intervals along lines spaced 12½ feet apart. The 12-foot long boom of the EM31-DL terrain conductivity meter was oriented perpendicular to the traverse lines, effectively providing overlapping coverage between traverses. Both the quadrature phase (apparent terrain conductivity) and the in-phase components were recorded in the vertical dipole mode (nominal depth of exploration of 18 feet) for all traverses.

Data were also measured along a baseline located inside of the survey area before and after the survey to check for instrument drift. No significant instrument drift was detected. Average values for apparent conductivity and in-phase component for the Site are 30-35 mmho/m and 0-2 ppt, respectively.

Terrain Conductivity Survey  
Stuart-Oliver-Holtz Site  
Henrietta, New York  
File 94D28 September, 1994

### 3. RESULTS AND DISCUSSION

The results of the terrain conductivity survey at the Stuart-Oliver-Holtz Site are shown in Figure 3 as color contour plots of the apparent terrain conductivity data and the in-phase component data, and in Plates 1 and 2 as large scale contour plots of the apparent terrain conductivity data and the in-phase component data. We note that the contour intervals for Plates 1 and 2 are different than those shown in Figure 3 so that more detail may be shown. Figure 4 shows the integrated interpretation of survey results.

Most of the anomalously high and low apparent conductivity and in-phase component values shown on Figure 3 are attributed to the presence of surface objects, as shown in Figure 4. Several surface objects are present at the edges of the area of interest, such as dumpsters, cars, and the building' and their effects on the survey data mask the effects of buried metal objects, if any are present at the same locations. Thus, the presence or absence of buried metal objects cannot be determined in the vicinity of the surface metal objects.

Three areas of anomalous apparent terrain conductivity and in-phase values cannot be attributed to surface metal objects, and such anomalies are interpreted to be caused by buried metal objects, as shown in Figure 4. The most prominent such anomaly is centered at (I+10, 3+10). The identity of the buried metal objects (i.e., whether the objects are drums or tanks) cannot be determined on the basis of the geophysical data alone.

Three possible utilities were also located within the area of survey. The first is located along the boundary of Commerce Drive and the Site. The second utility extends from the anomaly centered at (I+10,3+10) to the north edge of the Site. The third utility is located in the northeastern corner of the Site, and extends from the building to Commerce Drive.



Terrain Conductivity Survey  
Stuart-Olver-Holtz Site  
Henrietta, New York  
File 94D28 September, 1994

#### 4. CONCLUSIONS

Based on the terrain conductivity survey at the Stuart-Olver-Holtz Site in Henrietta, New York, we conclude the following:

1. Unidentified subsurface metal objects are likely present in several locations in the southeastern portion of the survey area.
2. Three possible utilities were located within the survey area.
3. For portions of this Site, the presence or absence of buried metal objects cannot be determined due to anomalies caused by surface objects.

Terrain Conductivity Survey  
Stuart-Olver-Holtz Site  
Henrietta, New York  
File 94D28 September, 1994

## 5. LIMITATIONS

This report was prepared for the exclusive use of TAMS Consultants, Inc. Hager-Richter Geoscience, Inc. has performed its professional services, obtained its findings, and made its conclusions in accordance with generally accepted and customary principles and practices in the field of geophysics. No other warranty, either expressed or implied, is made. Hager-Richter Geoscience, Inc. is not responsible for the independent conclusions, opinions, or recommendations made by others based on the information, geophysical data, and interpretations presented in this report.

This survey included a limited set of data obtained at the project Site and was conducted with limited knowledge of the Site and its subsurface conditions. Hager-Richter Geoscience, Inc. does not assume responsibility for the accuracy of information that was provided to it by others about the Site and its subsurface conditions. The findings provided by Hager-Richter Geoscience, Inc. are based solely on the information described in this document. The conclusions drawn from this investigation are considered reliable; however, there may exist localized variations in subsurface conditions that have not been completely defined at this time. It should be noted that our conclusions might be modified if subsurface conditions were better delineated with additional subsurface exploration including, but not limited to, test pits, soil borings with collection of soil and water samples, and laboratory testing.

Terrain Conductivity Survey  
Stuart-Oliver-Holtz Site  
Henrietta, New York  
File 94D28 September, 1994

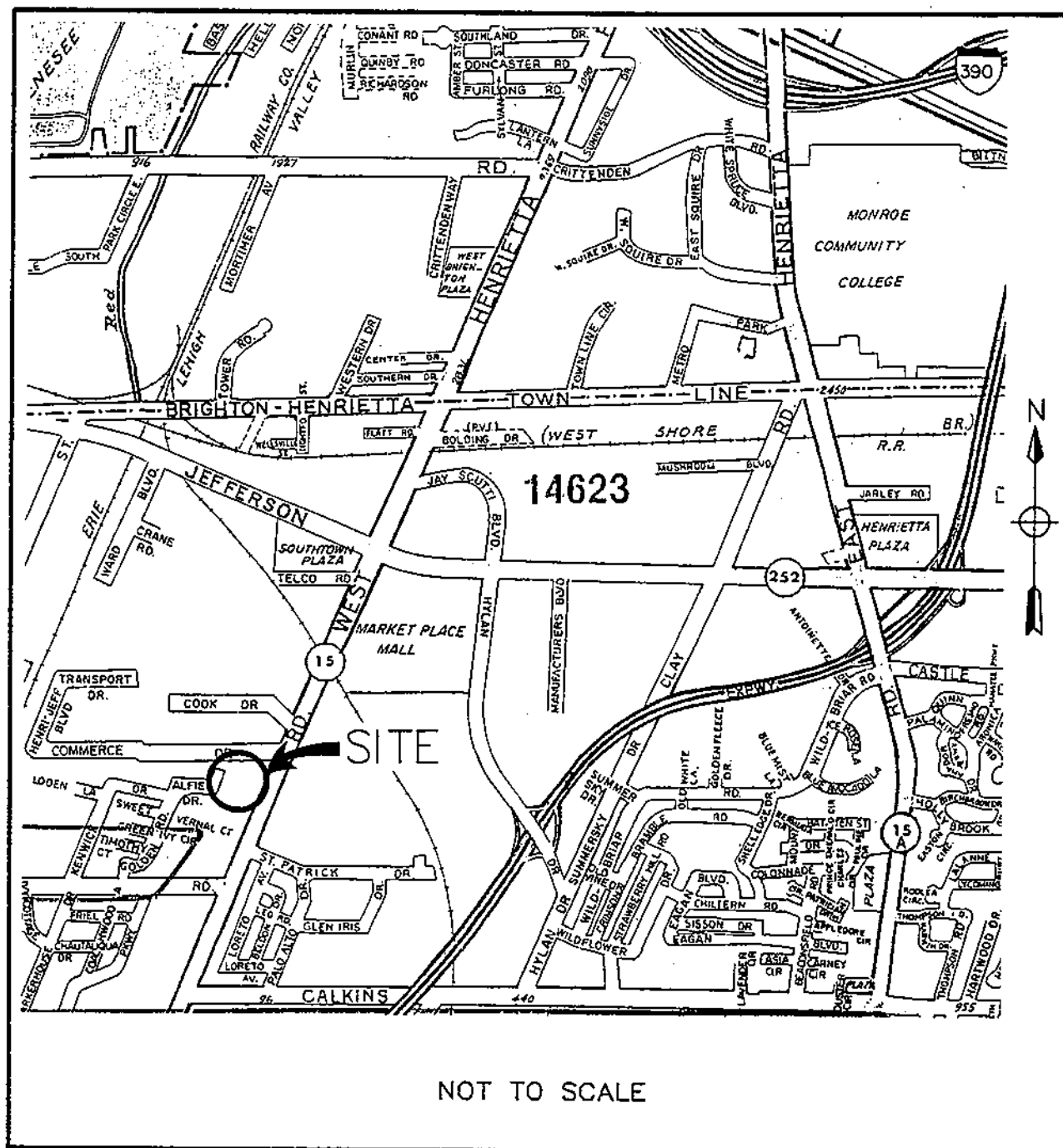


Figure 1. Site location.



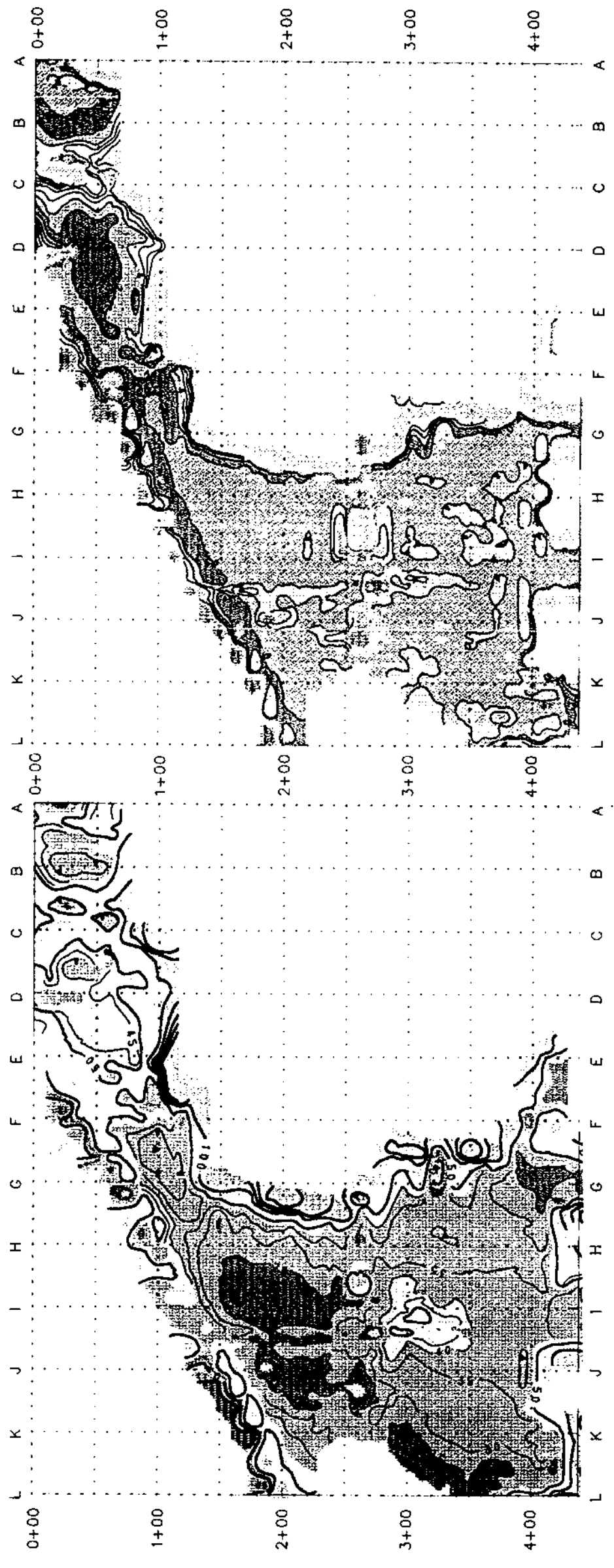


Figure 3  
 Terrain Conductivity Survey  
 Stuart-Oliver-Holtz Site  
 Henrietta, New York

File 94D28 September, 1994

|                                                                                        |                 |
|----------------------------------------------------------------------------------------|-----------------|
| HAGER-RICHTER GEOSCIENCE, INC.<br>8 Industrial Way - D10<br>Salem, New Hampshire 03079 |                 |
| File 94D28                                                                             | September, 1994 |

NOTES:  
 Data recorded with EM31 in vertical dipole mode  
 Survey grid established by GZA of NY

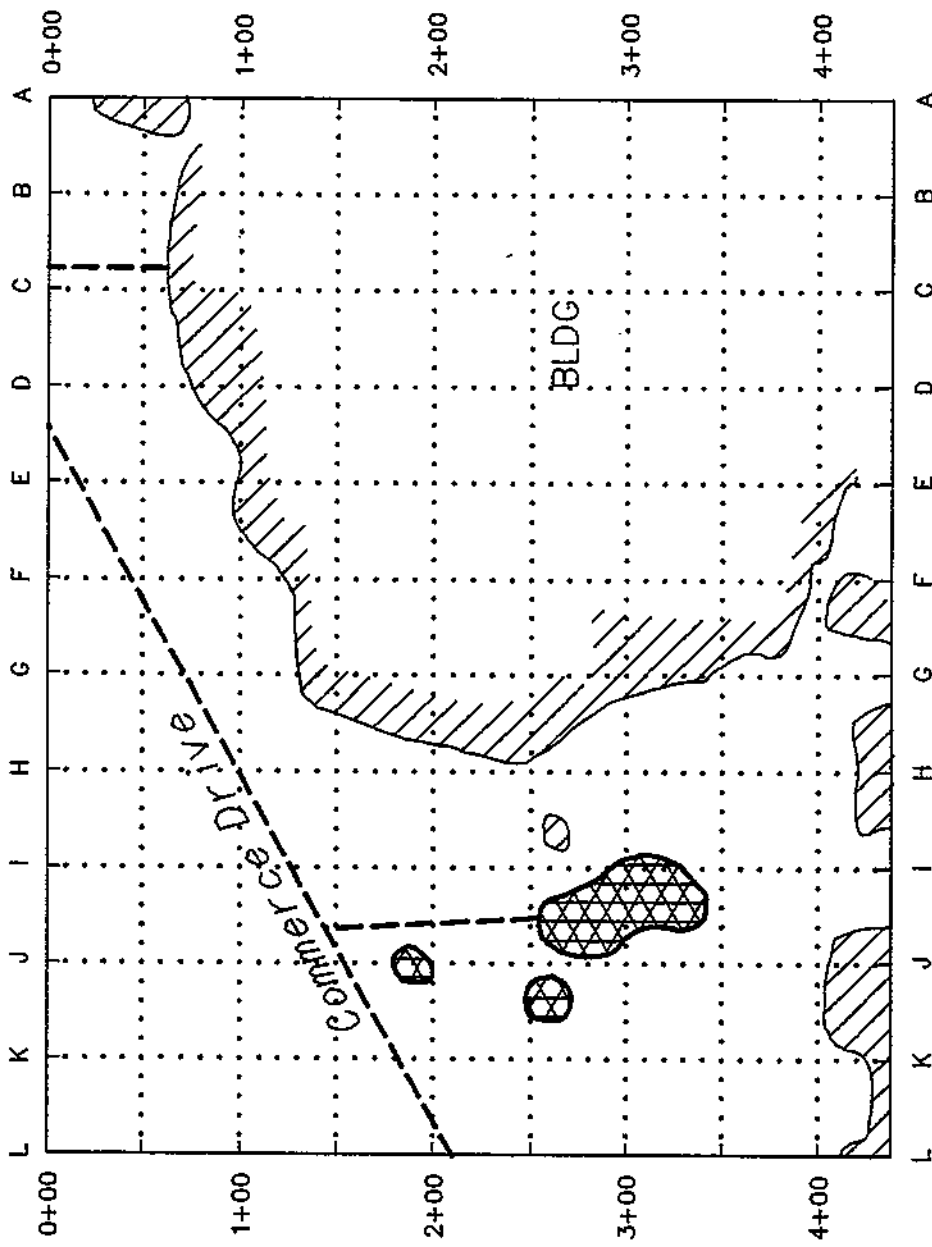


Figure 4  
Interpretation  
Stuart-Oliver-Holtz Site  
Henrietta, New York

File 94D28 September, 1994

HAGER-RICHTER GEOSCIENCE, INC.  
8 Industrial Way - D10  
Salem, New Hampshire 03079

## APPENDIX TERRAIN CONDUCTIVITY SURVEYS

Terrain conductivity meters use the electromagnetic induction method, wherein an electrical current is induced in the subsurface by energizing a coil of wire (the transmitter) with an alternating current at the surface of the earth. The induced alternating current produces a secondary magnetic field that is proportional to the conductivity of the material in the subsurface, and the voltage generated by the secondary magnetic field in the receiver coil of the instrument is related to the conductivity (Figure A-1). The depth of investigation is a function of the inter-coil spacing and the orientation of the dipole. The nominal depth of exploration is generally estimated as 3/4 times the inter-coil spacing for the horizontal dipole mode, and 1.5 times the inter-coil spacing for the vertical dipole mode.

**Equipment.** We used Geonics' Model EM31-DL terrain conductivity meter for the terrain conductivity survey. The instrument is an electromagnetic induction unit that measures terrain conductivity without electrodes or contact. It is calibrated to read apparent ground conductivity directly in millimhos per meter (mmho/m, numerically equivalent to the SI units, milliSiemens per meter, mS/m) with a resolution of 2% of full scale and an accuracy of 1 mmho/m where the ground conductivity is less than about 100 mmho/m). The data are recorded on a digital data logger and transferred to a computer at the end of each field day.

The EM31-DL has induction coils mounted with a fixed separation in a rigid boom. In normal operation, it is used with a vertical dipole. The nominal depth of earth sampled by the EM31-DL is about 10 feet in the horizontal dipole mode and 20 feet in the vertical dipole mode, according to information provided by the manufacturer.

Two components of the induced magnetic field measured by the EM31-DL are recorded: (1) the quadrature-phase component; and (2) the in-phase component. The quadrature-phase component is a measure of the average terrain conductivity of the subsurface materials located between the receiver and transmitter of the EM31-DL. The in-phase component is a sensitive indicator of the presence of conductive metal objects; however, the exact identification of the object cannot be determined from the terrain conductivity data alone.

**Data Analysis and Interpretation.** Terrain conductivity data are plotted in either profile format or as contour maps, depending on the density of the data. At sites free of metal objects and other cultural interference, the terrain conductivity measured at a particular location is controlled by the subsurface fluid. The instrument response is more affected by near-surface material than by deeper material. In cases where the terrain conductivity meter is directly over a buried metal target, the apparent conductivity reading may be a negative number.

Terrain conductivity surveys are commonly included in environmental investigations because they can be used to determine the lateral extent of disposal areas and/or landfills, to detect buried metal objects, and to detect the presence of conductive leachate plumes. Typically, terrain conductivity values measured in disposal areas are irregular and highly variable over short distances due to the heterogeneous materials in the subsurface. The edges of disposal areas can be determined, then, where there is a change to smoothly varying values of terrain conductivity. In areas of buried metal objects, terrain conductivity meters commonly yield apparently negative values. Leachate plumes are generally recognized on the basis of terrain conductivity data as relatively smoothly varying, but anomalously elevated, values compared to the background values for a given site.

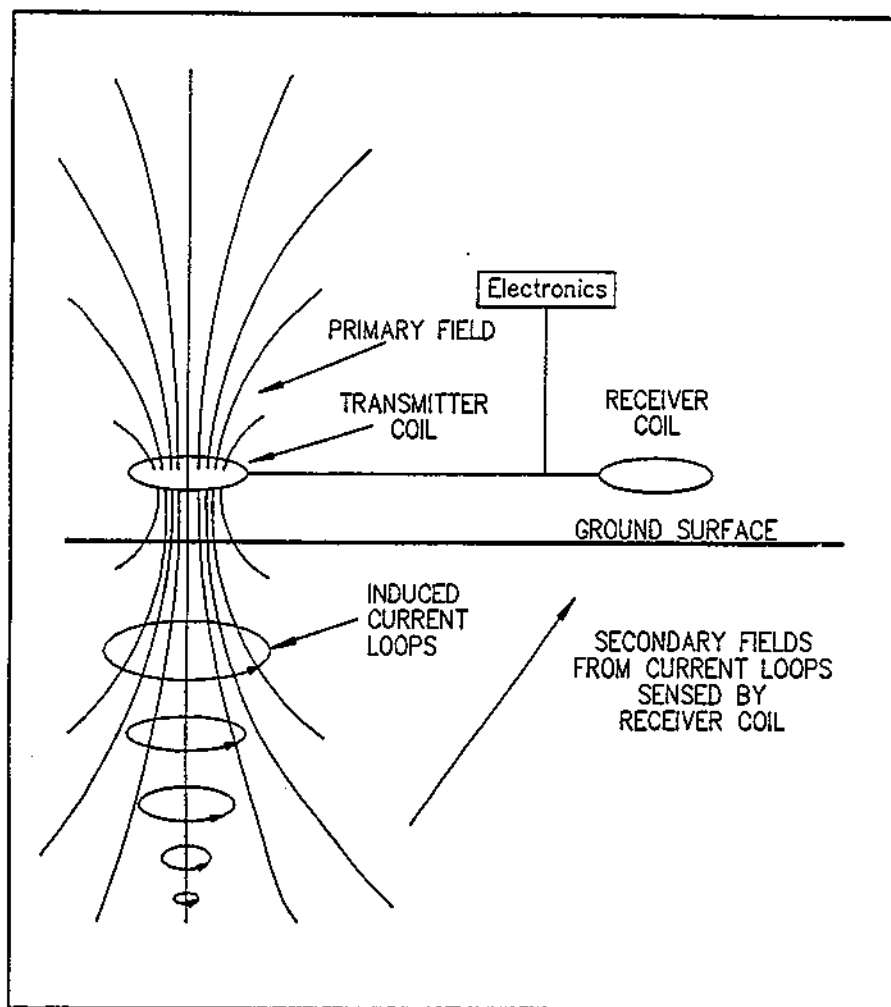
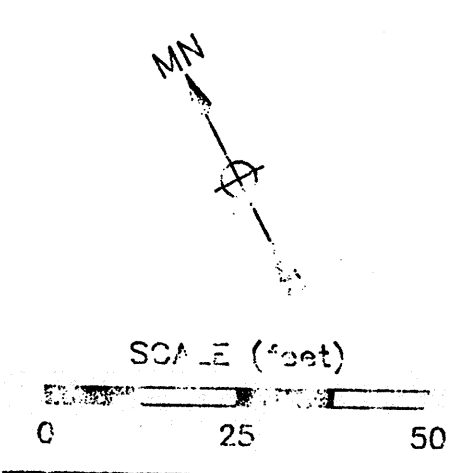
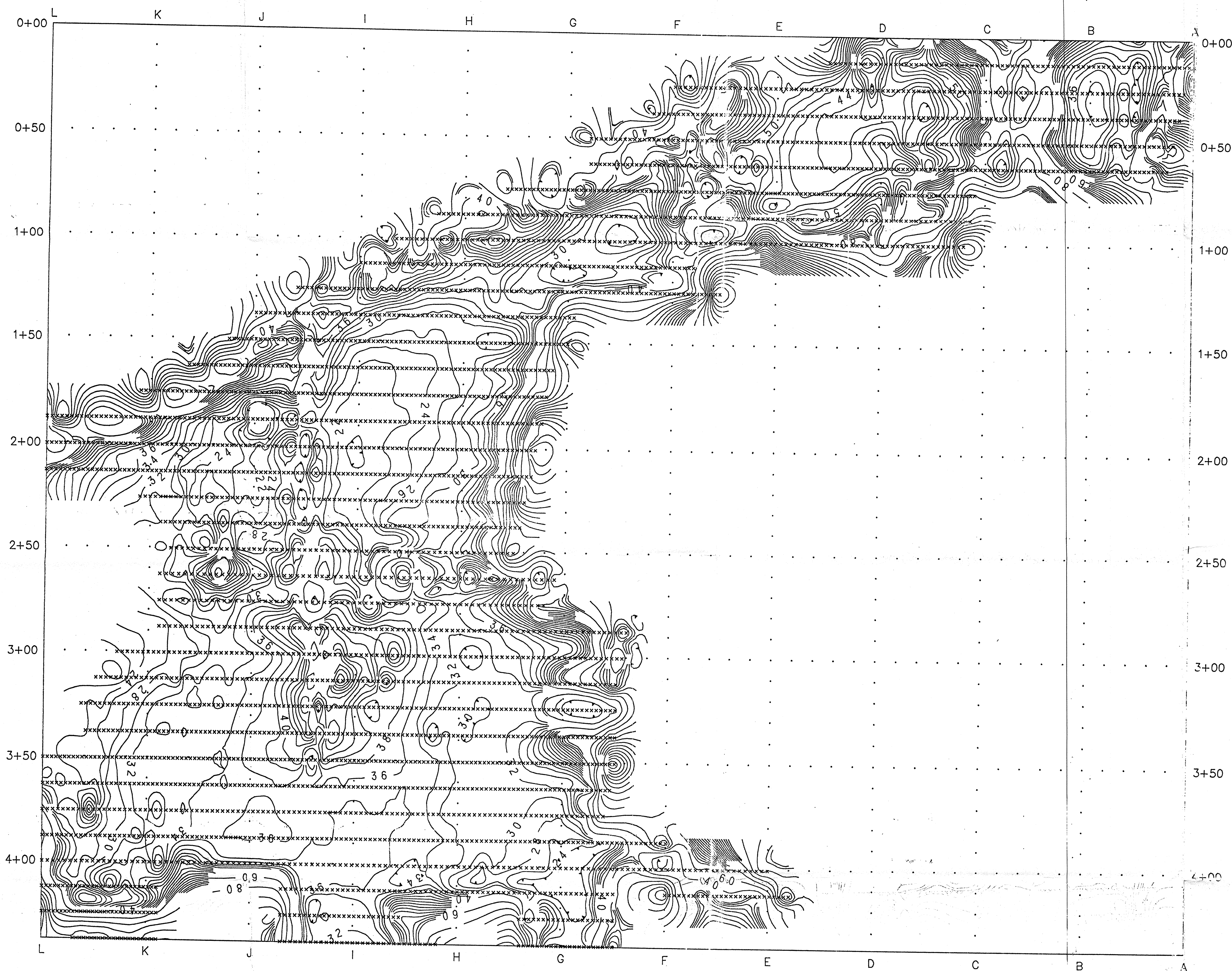


**Figure A-1.** Electromagnetic induction in a homogeneous half-space. Figure modified from Geonics literature.



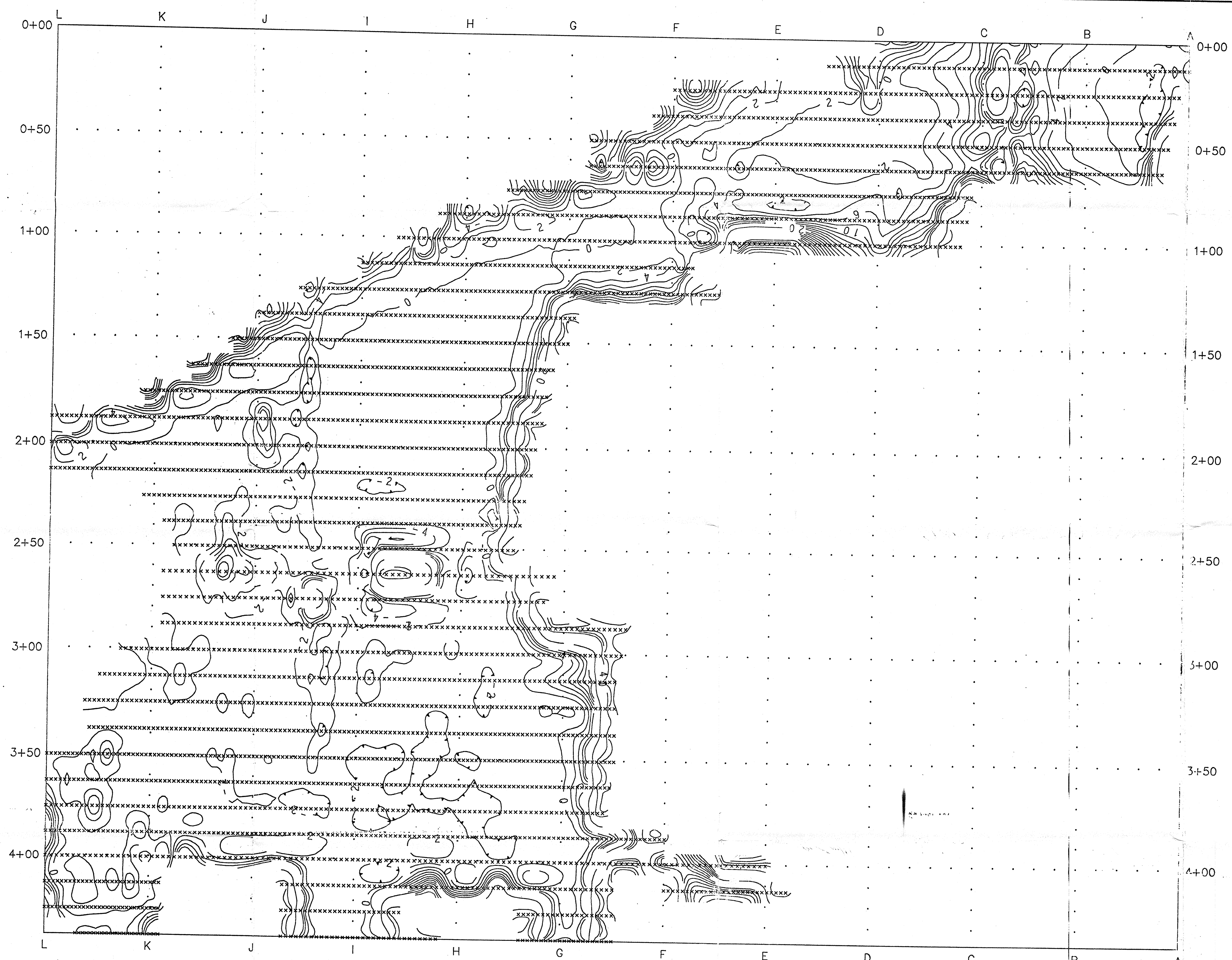


NOTES:  
Data recorded with EM31 in vertical dipole mode.  
Survey grid established by GZA of NY.

Apparent Terrain Conductivity  
Contour Intervals  
<20 or >60 mmho/m = 20 mmho/m  
>20 & <60 mmho/m = 2 mmho/m  
x Data station

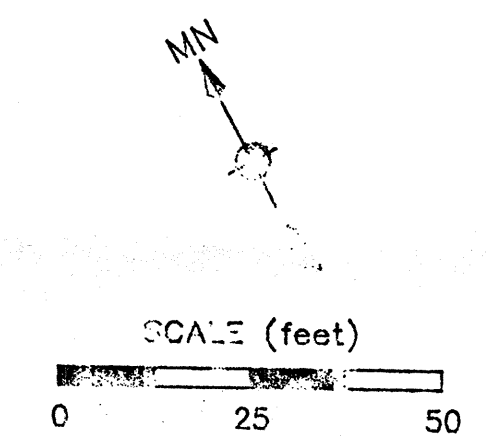
|                                                                                            |                 |
|--------------------------------------------------------------------------------------------|-----------------|
| PLATE 1<br>APPARENT TERRAIN CONDUCTIVITY<br>STUART-OLVER-HOLTZ SITE<br>HENRIETTA, NEW YORK |                 |
| FILE 94D28                                                                                 | SEPTEMBER, 1994 |
| HAGER-RICHTER GEOSCIENCE, INC.<br>8 Industrial Way - D10<br>Salem, New Hampshire 03079     |                 |





In-phase Component  
 Contour Interval = 2 ppt  
 x Data station

NOTES:  
 Data recorded with EM31 in vertical dipole mode.  
 Survey grid established by GZA of NY.



|                                                                                        |                 |
|----------------------------------------------------------------------------------------|-----------------|
| PLATE 2<br>IN-PHASE COMPONENT<br>STUART-OLVER-HOLTZ SITE<br>HENRIETTA, NEW YORK        |                 |
| FILE 94D28                                                                             | SEPTEMBER, 1994 |
| HAGER-RICHTER GEOSCIENCE, INC.<br>8 Industrial Way - D10<br>Salem, New Hampshire 03079 |                 |

**APPENDIX C**  
**GEOTECHNICAL LABORATORY DATA**

# GEOTECHNICAL LABORATORY TESTING DATA SUMMARY

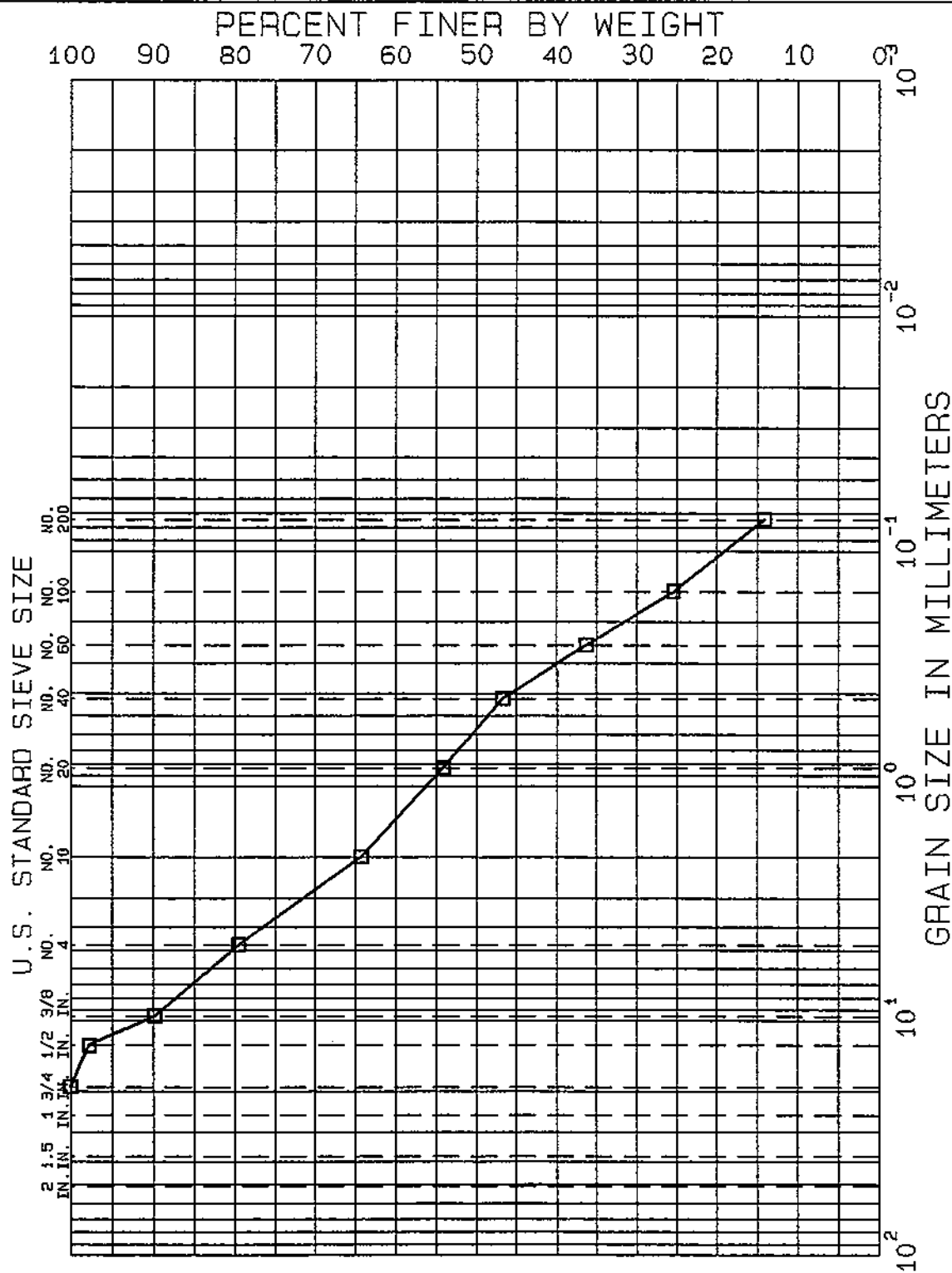
PROJECT NAME: STUART OLIVER HOLTZ SITE - ROCHESTER, NEW YORK  
PROJECT NO. 19078.10

MATERIAL SOURCE: STUART OLIVER HOLTZ SITE  
DATE ASSIGNED: 10/7/94

PROJECT ENGINEER: V.R. KOKOSA

WORK ORDER NO. 2392

| IDENTIFICATION   |                  |               | WATER<br>CONTENT<br>% | ATTERBERG<br>LIMITS |         |    | GRAIN SIZE<br>ANALYSIS |                       | MOISTURE-DENSITY<br>RELATIONSHIP<br>(Modified) |                            |                              | PERMEABILITY TEST  |                         |                       |                       |                                                                 | LABORATORY LOG<br><br>AND<br><br>SOIL DESCRIPTION |
|------------------|------------------|---------------|-----------------------|---------------------|---------|----|------------------------|-----------------------|------------------------------------------------|----------------------------|------------------------------|--------------------|-------------------------|-----------------------|-----------------------|-----------------------------------------------------------------|---------------------------------------------------|
| BORING<br>NUMBER | SAMPLE<br>NUMBER | DEPTH<br>ft.  |                       | LL<br>%             | PL<br>% | PI | SIEVE<br>-200<br>%     | HYD.<br>-2 $\mu$<br>% | MAX. DRY<br>DENSITY<br>pcf                     | OPT. WATER<br>CONTENT<br>% | PERME-<br>ABILITY<br>cm/sec. | TYPE<br>OF<br>TEST | $\bar{\sigma}_c$<br>psf | DRY<br>UNIT WT<br>pcf | WATER<br>CONTENT<br>% |                                                                 |                                                   |
| SB-7             | S-10             | 20.0-<br>22.0 | 10.4                  |                     |         |    | 14                     |                       |                                                |                            |                              |                    |                         |                       |                       | Brown fine to coarse SAND, little<br>fine Gravel, little silt   |                                                   |
| SB-7             | S-20             | 40.0-<br>42.0 | 14.0                  |                     |         |    | 47                     |                       |                                                |                            |                              |                    |                         |                       |                       | Brown fine to coarse SAND and SILT &<br>CLAY, trace fine Gravel |                                                   |
| SB-7             | S-20A            | 40.0-<br>42.0 | 10.1                  |                     |         |    | 10                     |                       |                                                |                            |                              |                    |                         |                       |                       | Gray fine to coarse SAND and fine<br>GRAVEL, little Clayey Silt |                                                   |
| SB-9             | S-7              | 12.0-<br>14.0 | 13.3                  |                     |         |    | 50                     |                       |                                                |                            |                              |                    |                         |                       |                       | Gray SILT & CLAY and fine to coarse<br>SAND, trace fine Gravel  |                                                   |
|                  |                  |               |                       |                     |         |    |                        |                       |                                                |                            |                              |                    |                         |                       |                       |                                                                 |                                                   |



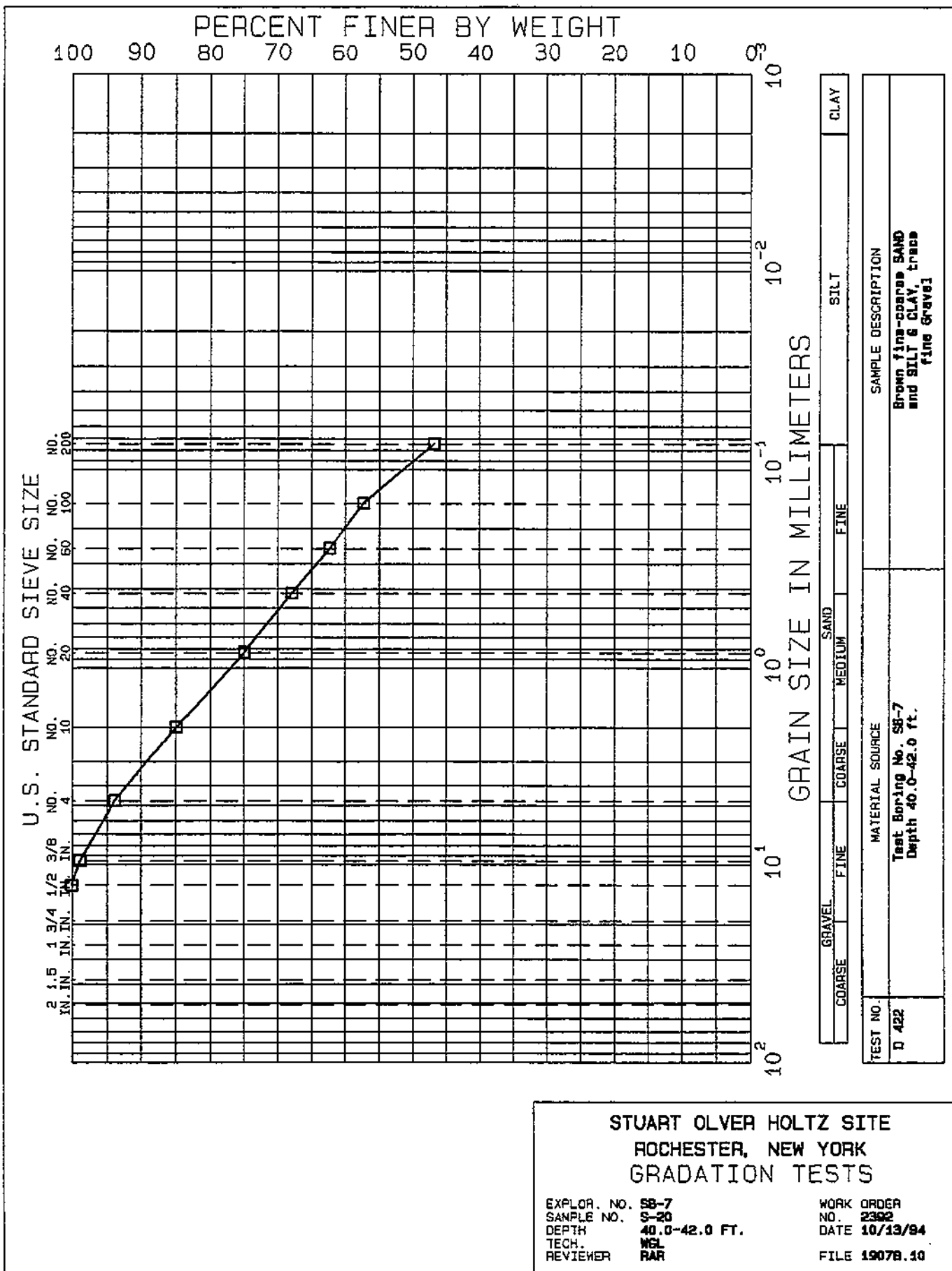
| GRAVEL                                      |      | SAND   |      | SILT                                                          |      | CLAY   |      |
|---------------------------------------------|------|--------|------|---------------------------------------------------------------|------|--------|------|
| COARSE                                      | FINE | COARSE | FINE | COARSE                                                        | FINE | COARSE | FINE |
| MATERIAL SOURCE                             |      |        |      | SAMPLE DESCRIPTION                                            |      |        |      |
| Test Boring No. SB-7<br>Depth 20.0-22.0 ft. |      |        |      | Brown fine-coarse SAND,<br>little fine Gravel,<br>little silt |      |        |      |
| TEST NO.                                    |      |        |      |                                                               |      |        |      |
| D 422                                       |      |        |      |                                                               |      |        |      |

**STUART OLVER HOLTZ SITE  
ROCHESTER, NEW YORK  
GRADATION TESTS**

EXPLOR. NO. **SB-7**  
 SAMPLE NO. **S-10**  
 DEPTH **20.0-22.0 FT.**  
 TECH. **WGL**  
 REVIEWER **RAR**

WORK ORDER NO. **2382**  
 DATE **10/13/94**  
 FILE **19079.10**





**STUART OLVER HOLTZ SITE  
ROCHESTER, NEW YORK  
GRADATION TESTS**

EXPLOR. NO. **SB-7**  
 SAMPLE NO. **S-20**  
 DEPTH **40.0-42.0 FT.**  
 TECH. **WGL**  
 REVIEWER **RAR**

WORK ORDER NO. **2392**  
 DATE **10/13/94**  
 FILE **1907B.10**







# GEOTECHNICAL LABORATORY TEST PROCEDURES

STUART OLVER HOLTZ SITE  
ROCHESTER, NEW YORK  
File No. 19078.10



1. The following tests were performed with the noted ASTM test designation:

| <u>TEST</u>      | <u>ASTM DESIGNATION</u> |
|------------------|-------------------------|
| Moisture Content | D 2216-92               |
| Grain Size       | D 422-63 (see Item 2)   |

2. Test Procedures for Grain Size Analysis

Analysis of material in the test samples minus the No. 200 sieve was not required. Therefore, the hydrometer portion of the test was not performed.

The test samples were oven dried. The samples were then separated on the No. 200 sieve by washing over the No. 200 sieve.

Material retained on the No. 200 sieve was then oven dried and sieved through a nest of sieves (2", 1-1/2", 1", 3/4", 1/2", 3/8", Nos. 4, 10, 20, 40, 60, 100 and 200).

**LEGEND FOR GEOTECHNICAL  
LABORATORY DATA SUMMARY SHEET**

---

**WATER CONTENT (ASTM D 2216)**

---

%                      =            WATER CONTENT IN PERCENT

---

---

**ATTERBERG LIMITS (ASTM D 4318)**

---

LL %                      =            LIQUID LIMIT IN PERCENT

PL %                      =            PLASTIC LIMIT IN PERCENT

PI                         =            PLASTICITY INDEX

---

---

**GRAIN SIZE ANALYSIS (ASTM D 422)**

---

SIEVE -200 %            =            PERCENT FINES, MATERIAL FINER THAN NO. 200 SIEVE  
(0.074 MM)

HYD. -2 $\mu$  %            =            PERCENT FINER THAN 2 MICRONS

---

---

**MOISTURE-DENSITY RELATIONSHIP (Modified) (ASTM D 1557)**

---

MAX. DRY DENSITY pcf    =            MAXIMUM DRY DENSITY IN POUNDS PER CUBIC FOOT

OPT. WATER CONTENT %   =            OPTIMUM WATER CONTENT IN PERCENT

---

---

**PERMEABILITY TEST (ASTM D 5084)**

---

PERMEABILITY cm/sec.   =            PERMEABILITY MEASURED IN CENTIMETERS PER SECOND

TYPE OF TEST    Kr        =            RECONSTITUTED (REMOLDED) SAMPLE  
                         K        =            UNDISTURBED SAMPLE

$\bar{\sigma}_c$  psf                      =            EFFECTIVE CONFINING PRESSURE DURING PERMEABILITY  
TEST IN POUNDS PER SQUARE FOOT

DRY UNIT WT. pcf         =            DRY DENSITY OF TEST SAMPLE IN POUNDS PER CUBIC  
FOOT

WATER CONTENT %        =            WATER CONTENT OF TEST SAMPLE IN PERCENT

---

# GEOTECHNICAL LABORATORY TESTING DATA SUMMARY

PROJECT NAME: STUART OLVER HOLTZ SITE - ROCHESTER, NEW YORK  
PROJECT NO. 19078.10

MATERIAL SOURCE: STUART OLVER HOLTZ SITE  
DATE ASSIGNED: 11/17/94

PROJECT ENGINEER: V.R. KOKOSA

WORK ORDER NO. 2403

| IDENTIFICATION   |                  |               | WATER<br>CONTENT<br>% | ATTERBERG<br>LIMITS |         |    | GRAIN SIZE<br>ANALYSIS |                       | MOISTURE-DENSITY<br>RELATIONSHIP<br>(Modified) |                            | PERMEABILITY TEST            |                    |                         |                       |                                                                             | LABORATORY LOG<br>AND<br>SOIL DESCRIPTION |
|------------------|------------------|---------------|-----------------------|---------------------|---------|----|------------------------|-----------------------|------------------------------------------------|----------------------------|------------------------------|--------------------|-------------------------|-----------------------|-----------------------------------------------------------------------------|-------------------------------------------|
| BORING<br>NUMBER | SAMPLE<br>NUMBER | DEPTH<br>ft.  |                       | LL<br>%             | PL<br>% | PI | SIEVE<br>-200<br>%     | HYD.<br>-2 $\mu$<br>% | MAX. DRY<br>DENSITY<br>pcf                     | OPT. WATER<br>CONTENT<br>% | PERME-<br>ABILITY<br>cm/sec. | TYPE<br>OF<br>TEST | $\bar{\sigma}_c$<br>psf | DRY<br>UNIT WT<br>pcf | WATER<br>CONTENT<br>%                                                       |                                           |
| SB-1             | S-6              | 10.0-<br>12.0 | 10.7                  |                     |         |    | 41                     | 4                     |                                                |                            |                              |                    |                         |                       | Brown fine to coarse SAND and SILT,<br>little fine Gravel                   |                                           |
| SB-2             | S-5              | 8.0-<br>10.0  | 10.7                  |                     |         |    | 28                     | 3                     |                                                |                            |                              |                    |                         |                       | Brown fine to coarse SAND, some<br>Silt, some fine to coarse Gravel         |                                           |
| SB-3             | S-6              | 10.0-<br>12.0 | 28.8                  | 52                  | 23      | 29 |                        |                       |                                                |                            |                              |                    |                         |                       | Brown Silty CLAY, trace fine to<br>coarse Sand, trace fine Gravel           |                                           |
| SB-3             | S-10             | 18.0-<br>20.0 |                       |                     |         |    | 69                     | 2                     |                                                |                            |                              |                    |                         |                       | Gray SILT, some fine to medium Sand,<br>trace fine Gravel                   |                                           |
| SB-3             | S-15A            | 28.0-<br>30.0 | 8.9                   |                     |         |    | 50                     | 11                    |                                                |                            |                              |                    |                         |                       | Grayish Brown SILT & CLAY and fine<br>to coarse SAND, little f-c Gravel     |                                           |
| SB-3             | S-19A            | 36.0-<br>38.0 | 15.4                  |                     |         |    | 75                     | 29                    |                                                |                            |                              |                    |                         |                       | Grayish Brown CLAY & SILT, some fine<br>to coarse Sand, trace fine Gravel   |                                           |
| SB-3             | S-21             | 40.0-<br>42.0 | 7.3                   |                     |         |    | 57                     | 13                    |                                                |                            |                              |                    |                         |                       | Dark Brown SILT & CLAY and fine to<br>coarse SAND, trace fine Gravel        |                                           |
| SB-4             | S-2              | 2.0-<br>4.0   | 8.0                   |                     |         |    | 28                     | 6                     |                                                |                            |                              |                    |                         |                       | Grayish Brown fine to coarse SAND,<br>some Clayey Silt, some f-c Gravel     |                                           |
| SB-5             | S-3A             | 4.0-<br>6.0   | 9.8                   |                     |         |    | 41                     | 6                     |                                                |                            |                              |                    |                         |                       | Brown fine to coarse SAND and Clayey<br>SILT, little fine to coarse Gravel  |                                           |
| SB-5             | S-11A            | 20.0-<br>22.0 | 8.3                   |                     |         |    | 44                     | 6                     |                                                |                            |                              |                    |                         |                       | Grayish Brown Clayey SILT and fine<br>to coarse SAND, little f-c Gravel     |                                           |
| SB-6             | S-20             | 38.0-<br>40.0 | 6.8                   |                     |         |    | 40                     | 8                     |                                                |                            |                              |                    |                         |                       | Dark Grayish Brown fine-coarse SAND<br>and Clayey SILT, little f-c Gravel   |                                           |
| SB-8             | S-1              | 0.0-<br>2.0   | 10.7                  |                     |         |    | 34                     | 11                    |                                                |                            |                              |                    |                         |                       | Light Olive Brown fine-medium SAND,<br>some Silt & Clay, little fine Gravel |                                           |
| SB-9             | S-6              | 10.0-<br>12.0 | 9.4                   |                     |         |    | 26                     | 7                     |                                                |                            |                              |                    |                         |                       | Brown fine to coarse SAND, some<br>Clayey Silt, some fine-coarse Gravel     |                                           |
| SB-10            | S-4              | 6.0-<br>8.0   | 27.8                  | 54                  | 25      | 29 |                        |                       |                                                |                            |                              |                    |                         |                       | Dark Brown Silty CLAY, trace fine<br>Sand                                   |                                           |
| SB-10            | S-9              | 16.0-<br>18.0 | 10.0                  |                     |         |    | 47                     | 7                     |                                                |                            |                              |                    |                         |                       | Brown Clayey SILT and fine to coarse<br>SAND, trace fine Gravel             |                                           |

# GEOTECHNICAL LABORATORY TESTING DATA SUMMARY

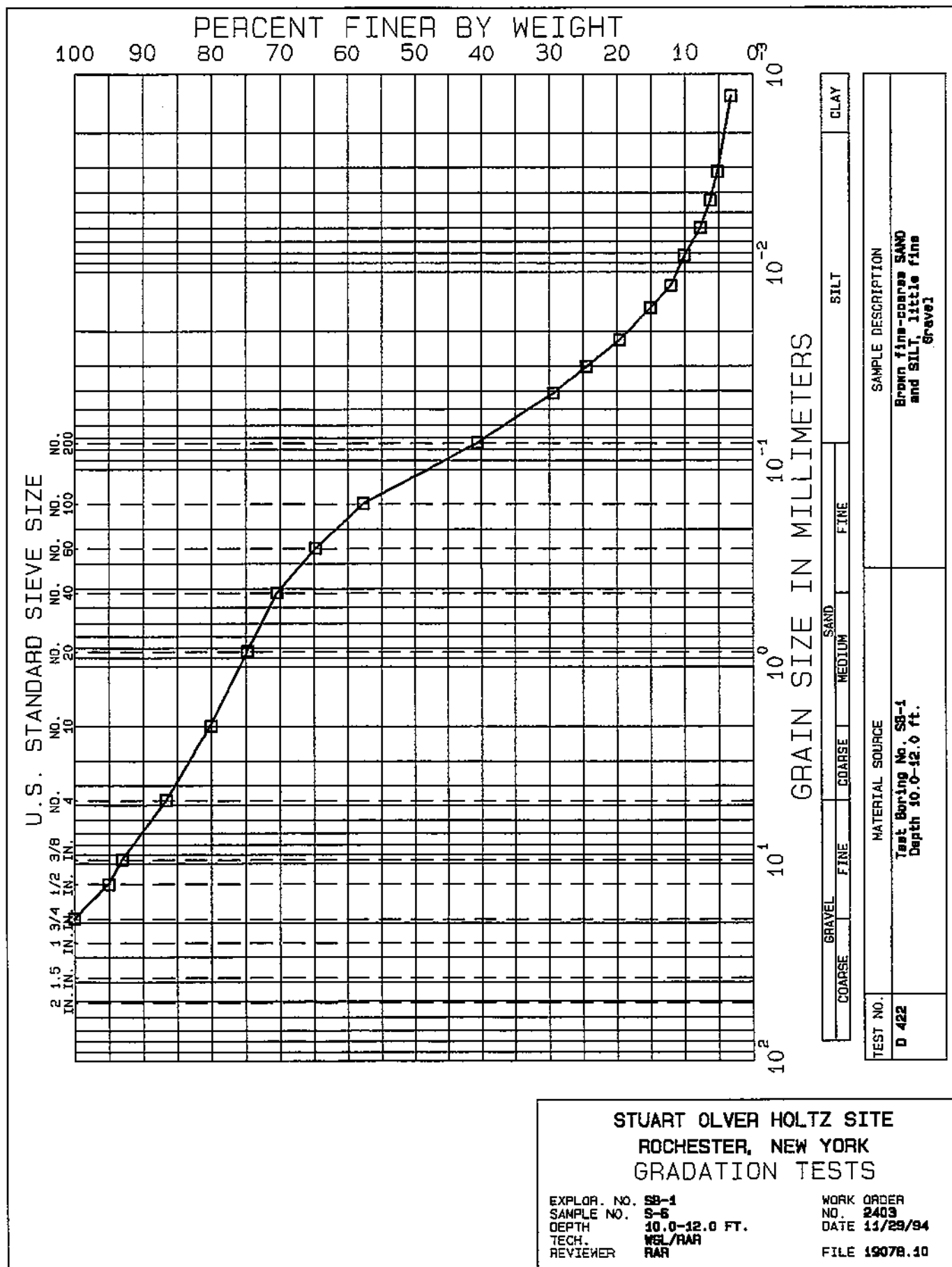
PROJECT NAME: STUART OLVER HOLTZ SITE - ROCHESTER, NEW YORK  
PROJECT NO. 19078.10

MATERIAL SOURCE: STUART OLVER HOLTZ SITE  
DATE ASSIGNED: 11/17/94

PROJECT ENGINEER: V.R. KOKOSA

WORK ORDER NO. 2403

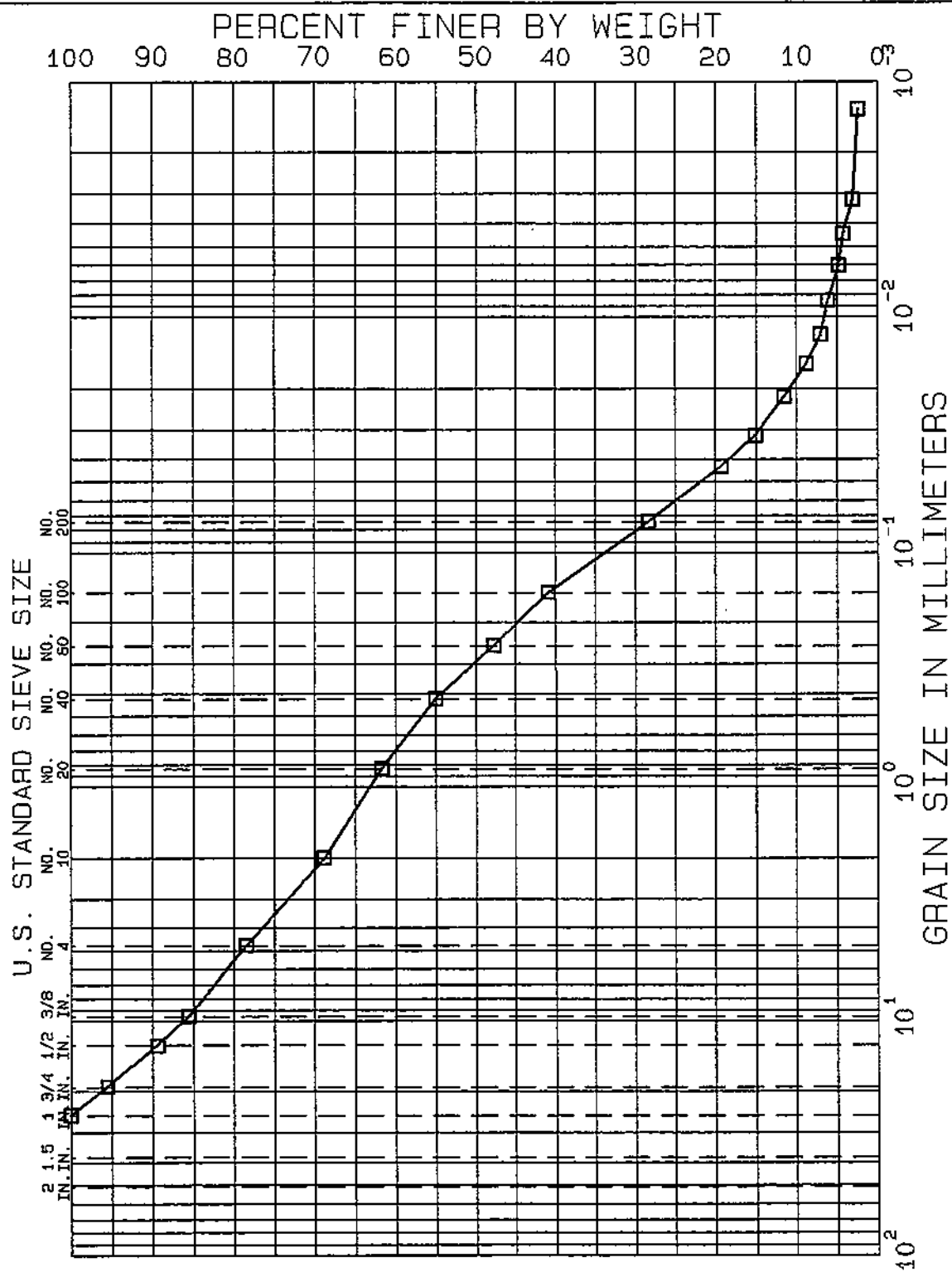
| IDENTIFICATION |               |           | WATER CONTENT | ATTERBERG LIMITS |      |    | GRAIN SIZE ANALYSIS |                 | MOISTURE-DENSITY RELATIONSHIP (Modified) |                      | PERMEABILITY TEST     |              |                      |                 |                 |                                                                        | LABORATORY LOG AND SOIL DESCRIPTION |  |
|----------------|---------------|-----------|---------------|------------------|------|----|---------------------|-----------------|------------------------------------------|----------------------|-----------------------|--------------|----------------------|-----------------|-----------------|------------------------------------------------------------------------|-------------------------------------|--|
| BORING NUMBER  | SAMPLE NUMBER | DEPTH ft. | %             | LL %             | PL % | PI | SIEVE -200 %        | HYD. -2 $\mu$ % | MAX. DRY DENSITY pcf                     | OPT. WATER CONTENT % | PERME-ABILITY cm/sec. | TYPE OF TEST | $\bar{\sigma}_c$ psf | DRY UNIT WT pcf | WATER CONTENT % |                                                                        |                                     |  |
| SB-11          | S-3           | 4.0-6.0   | 26.0          | 45               | 21   | 24 |                     |                 |                                          |                      |                       |              |                      |                 |                 | Brown Silty CLAY, trace fine to medium Sand                            |                                     |  |
| SB-11          | S-5           | 8.0-10.0  | 23.0          | 41               | 21   | 20 |                     |                 |                                          |                      |                       |              |                      |                 |                 | Dark Brown Silty CLAY, trace fine to medium Sand, trace fine Gravel    |                                     |  |
| SB-11          | S-12          | 22.0-24.0 | 8.0           |                  |      |    | 40                  | 5               |                                          |                      |                       |              |                      |                 |                 | Gray SILT and fine to coarse SAND, some fine to coarse Gravel          |                                     |  |
| SB-11          | S-17          | 32.0-34.0 | 7.6           |                  |      |    | 39                  | 7               |                                          |                      |                       |              |                      |                 |                 | Gray fine to coarse SAND and Clayey SILT, trace fine Gravel            |                                     |  |
| SB-12          | S-5A          | 8.0-10.0  | 8.4           |                  |      |    | 27                  | 5               |                                          |                      |                       |              |                      |                 |                 | Yellowish Brown fine to coarse SAND, some f-c Gravel, some Clayey Silt |                                     |  |
| SB-12          | S-14          | 26.0-28.0 | 6.1           |                  |      |    | 30                  | 5               |                                          |                      |                       |              |                      |                 |                 | Grayish Brown fine to coarse SAND, some Silt, some fine-coarse Gravel  |                                     |  |
| SB-12          | S-21          | 40.0-42.0 | 7.6           |                  |      |    | 55                  | 9               |                                          |                      |                       |              |                      |                 |                 | Gray Clayey SILT and fine to coarse SAND, trace fine Gravel            |                                     |  |
| SB-13          | S-4           | 6.0-8.0   | 19.8          | 39               | 18   | 21 |                     |                 |                                          |                      |                       |              |                      |                 |                 | Brown Silty CLAY, trace fine to medium Sand                            |                                     |  |
|                |               |           |               |                  |      |    |                     |                 |                                          |                      |                       |              |                      |                 |                 |                                                                        |                                     |  |



**STUART OLVER HOLTZ SITE  
ROCHESTER, NEW YORK  
GRADATION TESTS**

EXPLOR. NO. SB-1  
SAMPLE NO. S-6  
DEPTH 10.0-12.0 FT.  
TECH. WBL/RAR  
REVIEWER RAR

WORK ORDER NO. 2403  
DATE 11/29/94  
FILE 19078.10

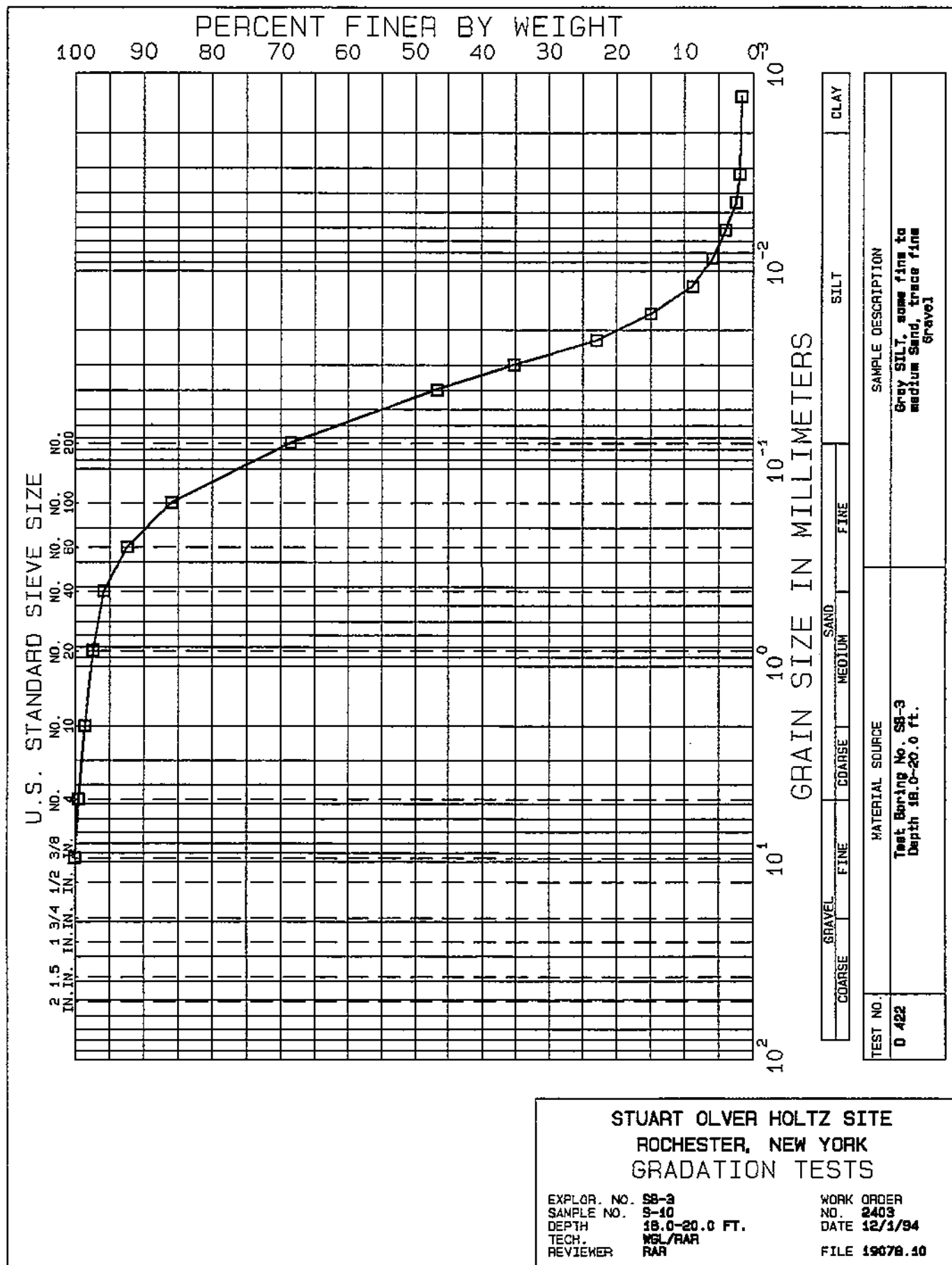


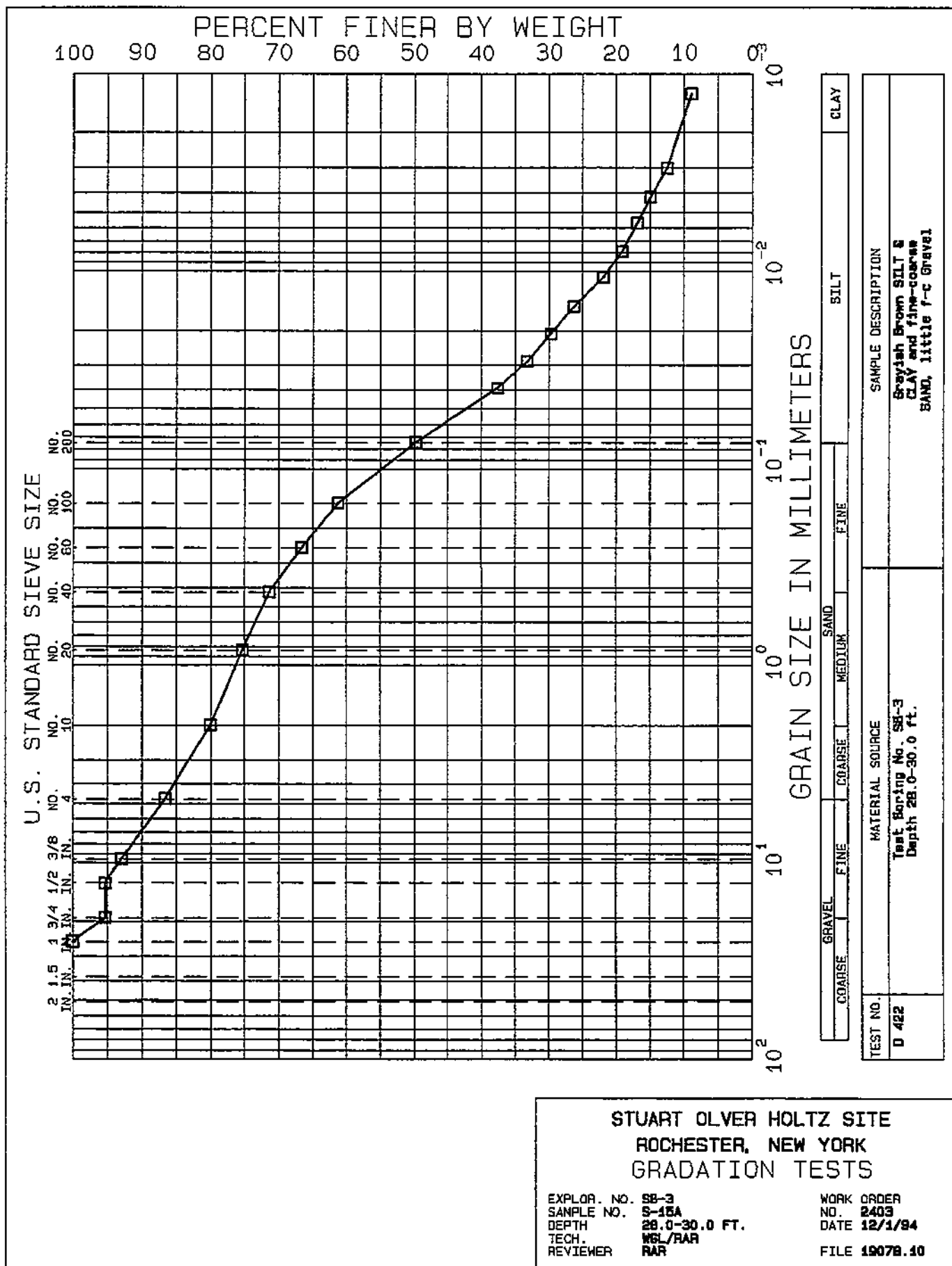
| TEST NO.                                   | MATERIAL SOURCE                                                  |      |        |        | SAMPLE DESCRIPTION |  |  | CLAY |
|--------------------------------------------|------------------------------------------------------------------|------|--------|--------|--------------------|--|--|------|
|                                            | GRAVEL                                                           |      | SAND   |        | SILT               |  |  |      |
| 0 422                                      | COARSE                                                           | FINE | COARSE | MEDIUM | FINE               |  |  |      |
|                                            | Brown fine to coarse SAND, some silt, more fine to coarse Gravel |      |        |        |                    |  |  |      |
| Test Boring No. S8-2<br>Depth 8.0-10.0 ft. |                                                                  |      |        |        |                    |  |  |      |

**STUART OLVER HOLTZ SITE  
ROCHESTER, NEW YORK  
GRADATION TESTS**

EXPLOR. NO. S8-2  
SAMPLE NO. S-5  
DEPTH 8.0-10.0 FT.  
TECH. WGL/RAH  
REVIEWER RAR

WORK ORDER NO. 2403  
DATE 11/29/94  
FILE 19078.10



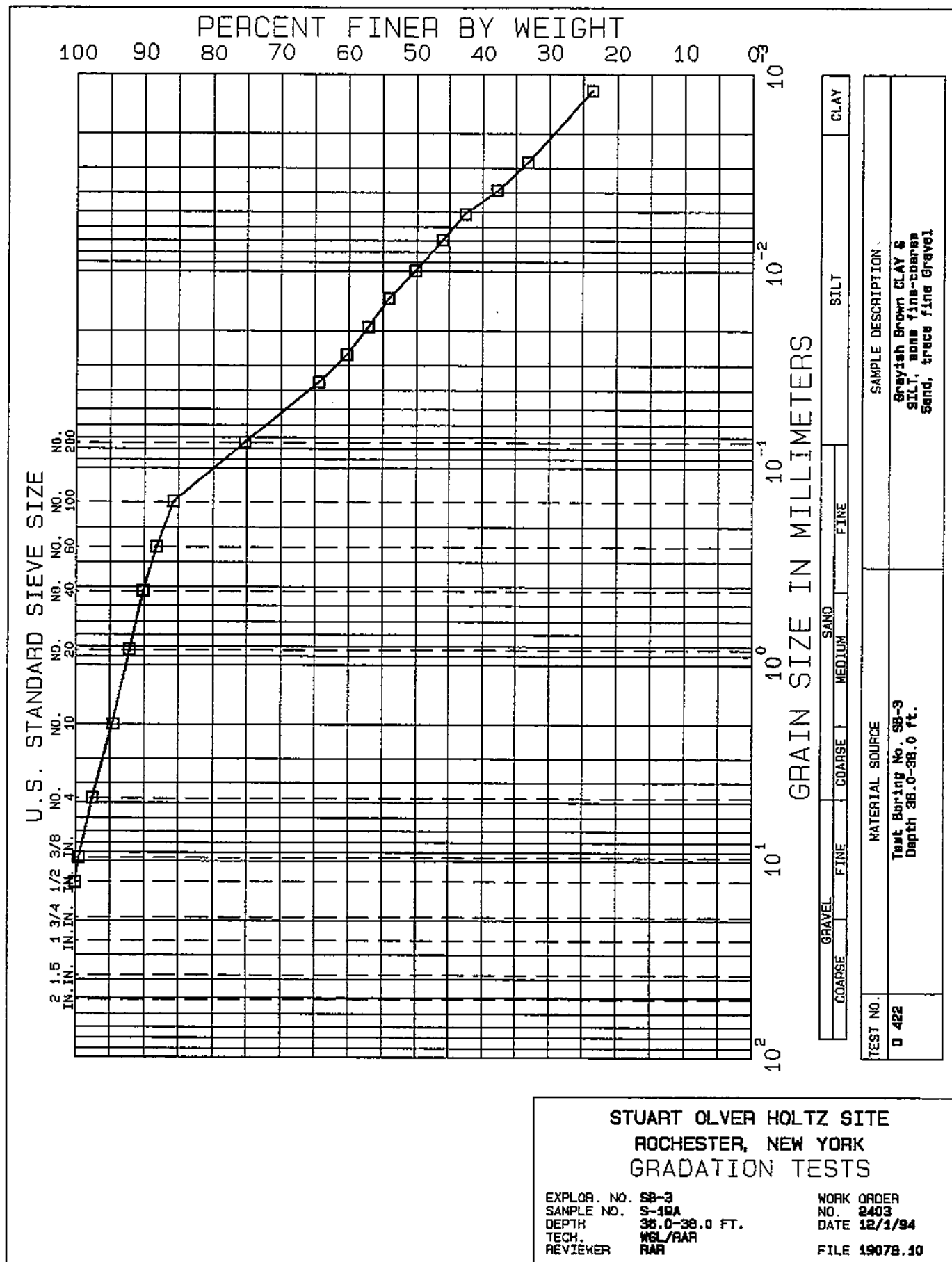


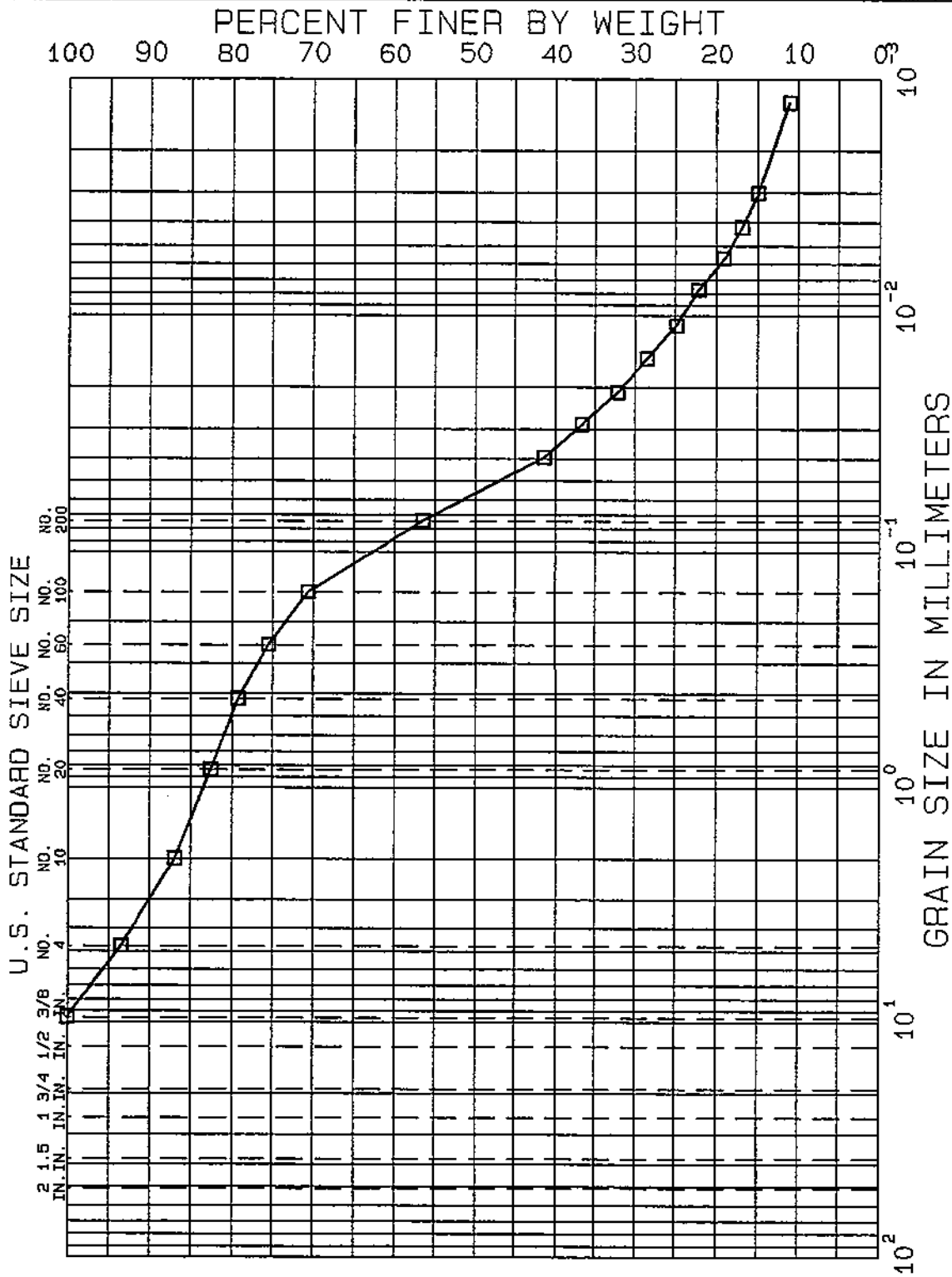
**STUART OLVER HOLTZ SITE  
ROCHESTER, NEW YORK  
GRADATION TESTS**

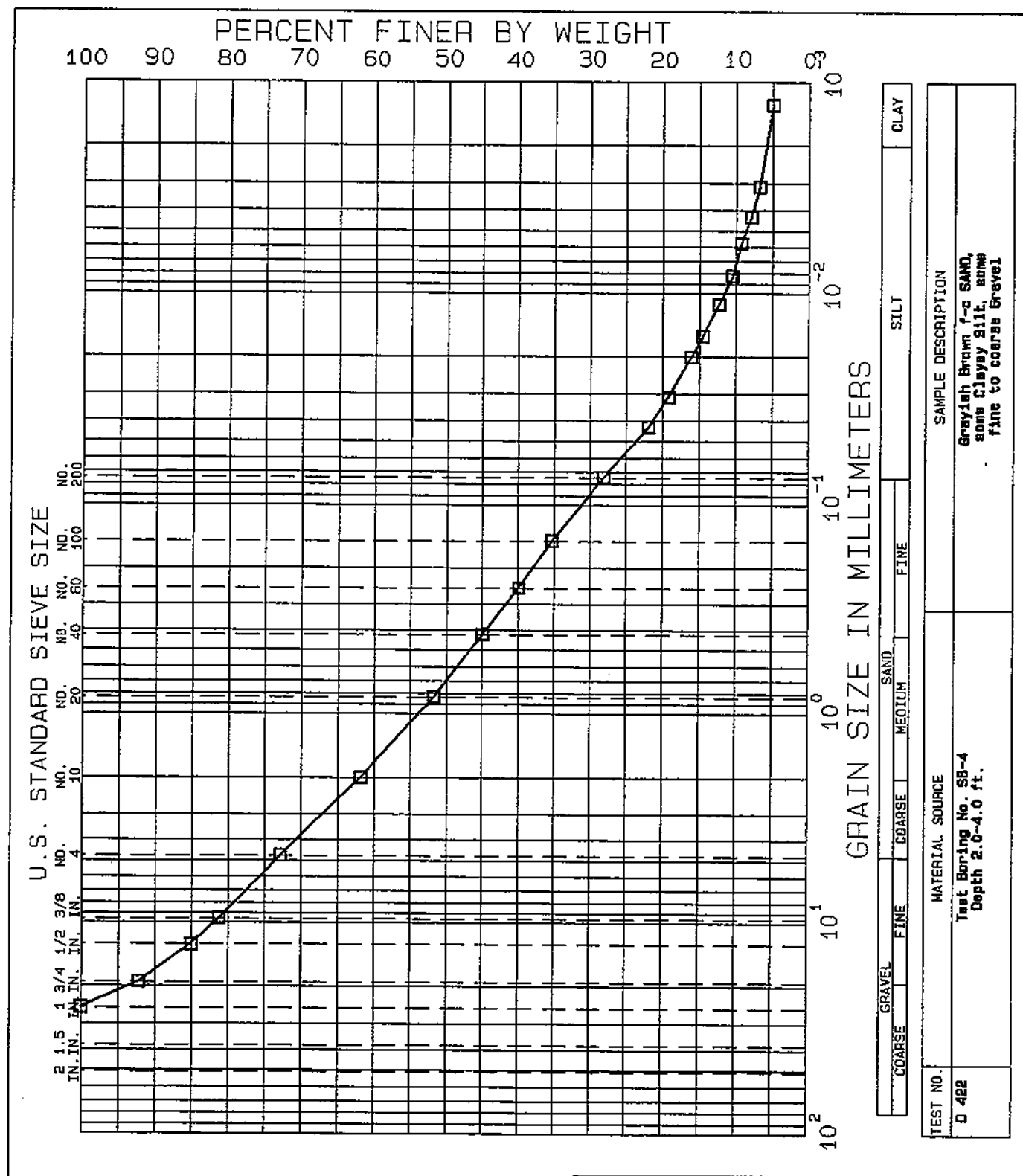
EXPLOR. NO. SB-3  
SAMPLE NO. S-15A  
DEPTH 28.0-30.0 FT.  
TECH. WGL/RAR  
REVIEWER RAR

WORK ORDER NO. 2403  
DATE 12/1/94  
FILE 19078.10





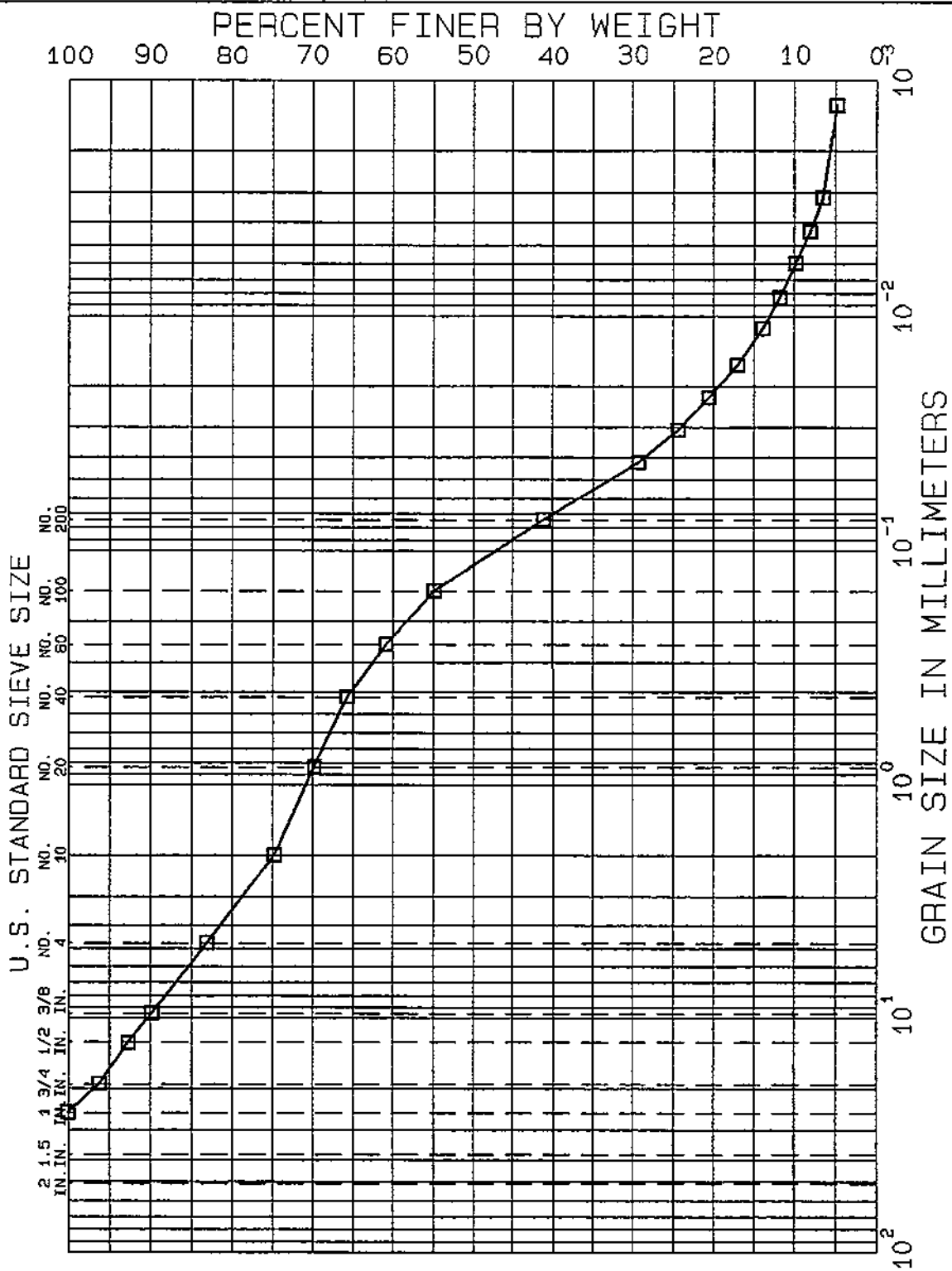




**STUART OLVER HOLTZ SITE  
ROCHESTER, NEW YORK  
GRADATION TESTS**

EXPLOR. NO. SB-4  
SAMPLE NO. S-2  
DEPTH 2.0-4.0 FT.  
TECH. MEL/RAR  
REVIEWER RAR

WORK ORDER NO. 2403  
DATE 12/1/94  
FILE 1907B.10

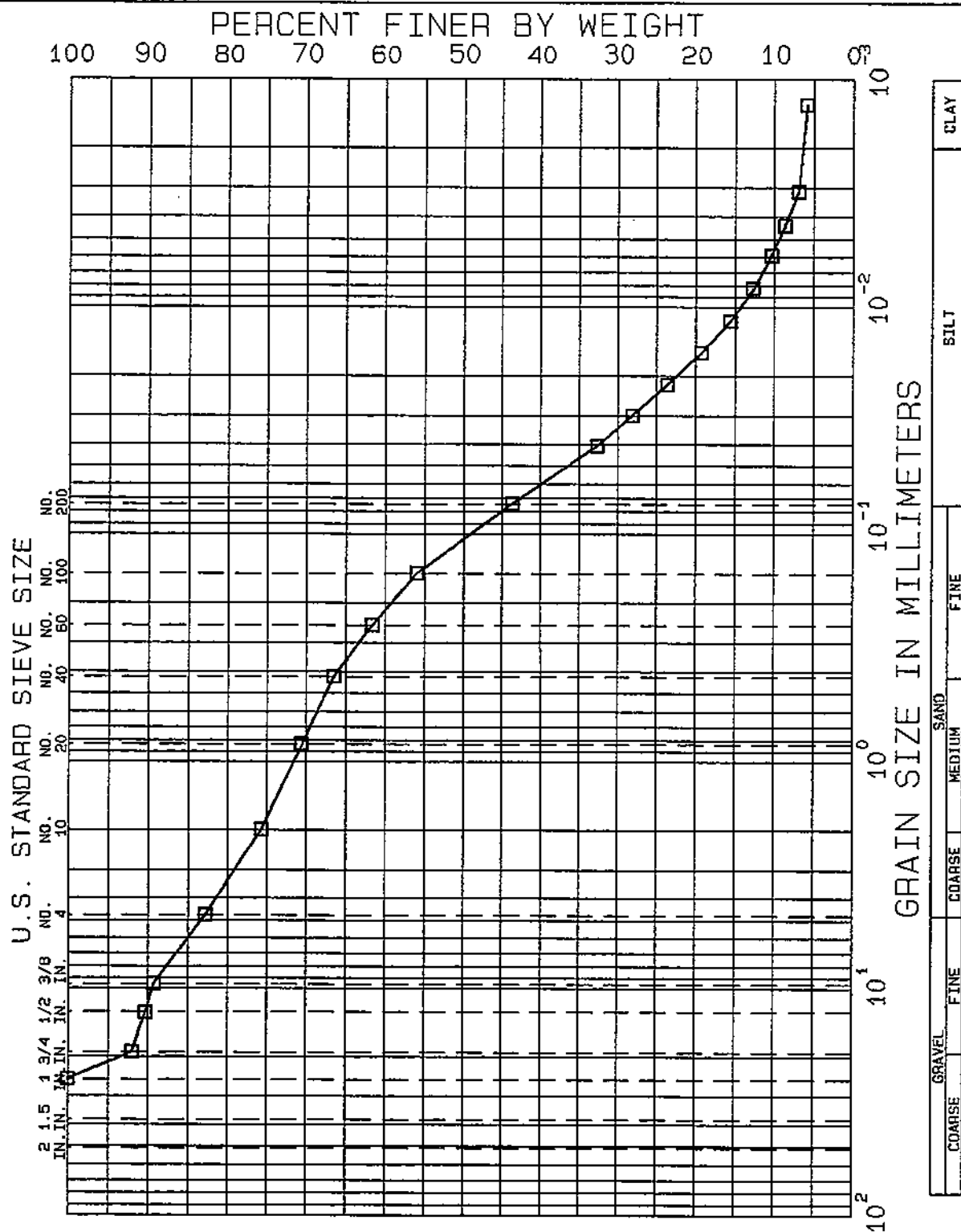


|          |  |                                           |  |                                                                            |  |      |  |      |  |
|----------|--|-------------------------------------------|--|----------------------------------------------------------------------------|--|------|--|------|--|
| COARSE   |  | SAND                                      |  | FINE                                                                       |  | SILT |  | CLAY |  |
| GRAVEL   |  | COARSE                                    |  | MEDIUM                                                                     |  | FINE |  |      |  |
| TEST NO. |  | MATERIAL SOURCE                           |  | SAMPLE DESCRIPTION                                                         |  |      |  |      |  |
| D 422    |  | Test Boring No. SB-5<br>Depth 4.0-5.0 ft. |  | Brown fine-coarse SAND<br>and Clayey SILT, little<br>fine to coarse Gravel |  |      |  |      |  |

**STUART OLVER HOLTZ SITE  
ROCHESTER, NEW YORK  
GRADATION TESTS**

EXPLOR. NO. **SB-5**  
SAMPLE NO. **S-3A**  
DEPTH **4.0-5.0 FT.**  
TECH. **WGL/RAR**  
REVIEWER **RAR**

WORK ORDER  
NO. **2403**  
DATE **11/29/94**  
FILE **19078.10**

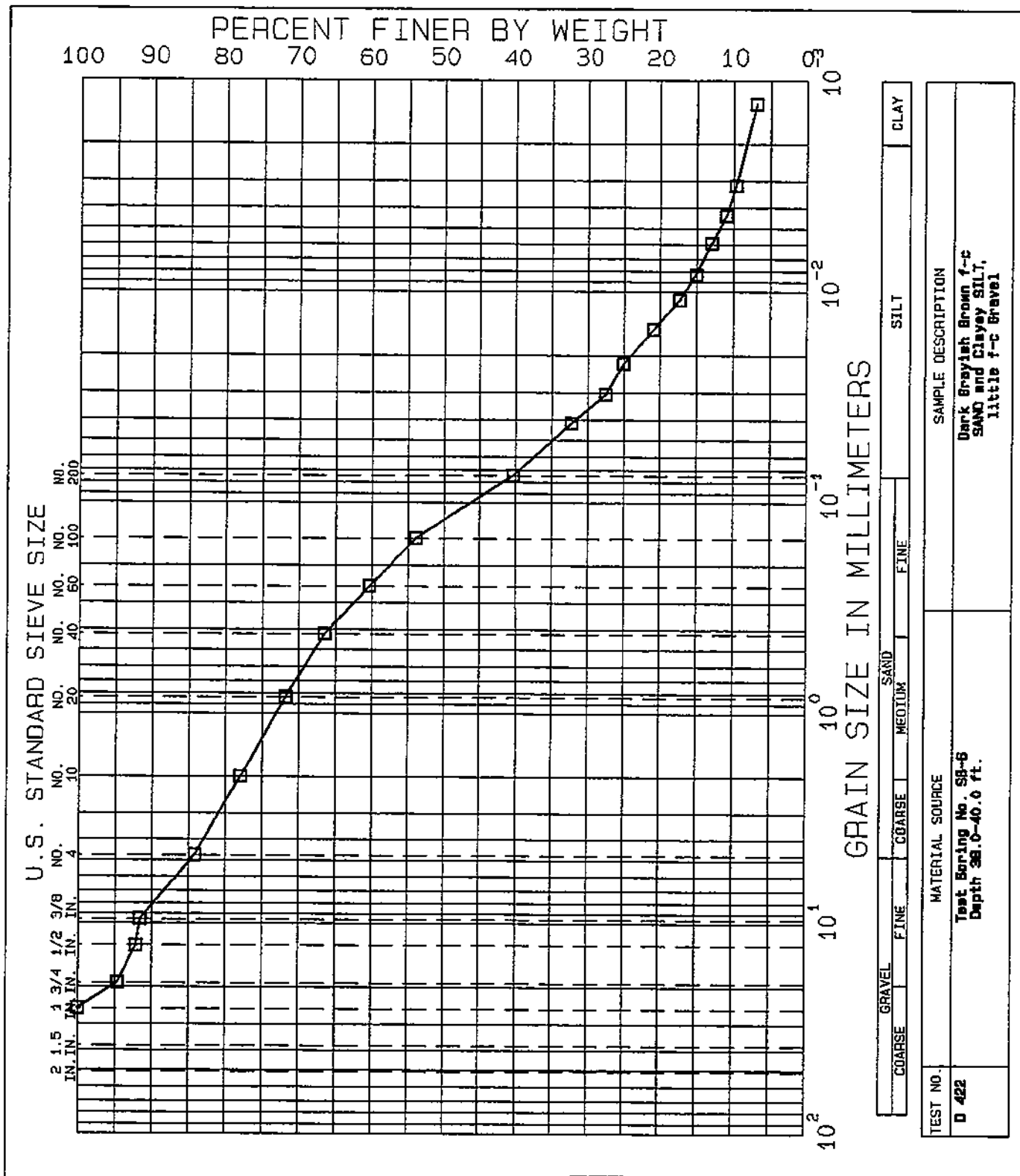


| TEST NO. | MATERIAL SOURCE                             | SAMPLE DESCRIPTION |      |      |      |
|----------|---------------------------------------------|--------------------|------|------|------|
|          |                                             | GRAVEL             | SAND | SILT | CLAY |
| 0 422    | Test Boring No. SB-5<br>Depth 20.0-22.0 ft. |                    |      |      |      |
|          |                                             |                    |      |      |      |

**STUART OLVER HOLTZ SITE  
ROCHESTER, NEW YORK  
GRADATION TESTS**

EXPLOR. NO. SB-5  
SAMPLE NO. S-11A  
DEPTH 20.0-22.0 FT.  
TECH. MGL/RAR  
REVIEWER RAR

WORK ORDER NO. 2403  
DATE 12/1/94  
FILE 19078.10

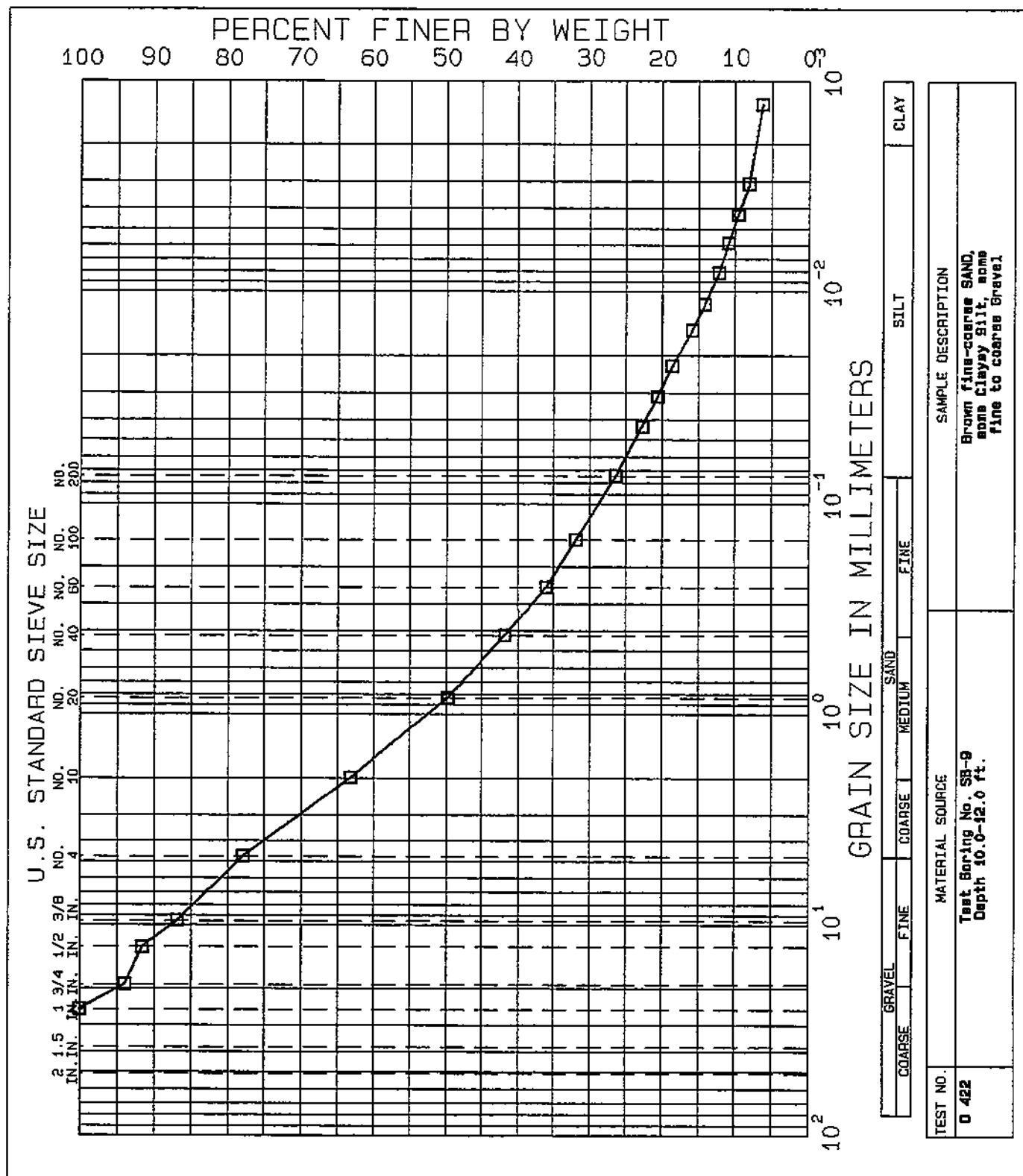


**STUART OLVER HOLTZ SITE  
ROCHESTER, NEW YORK  
GRADATION TESTS**

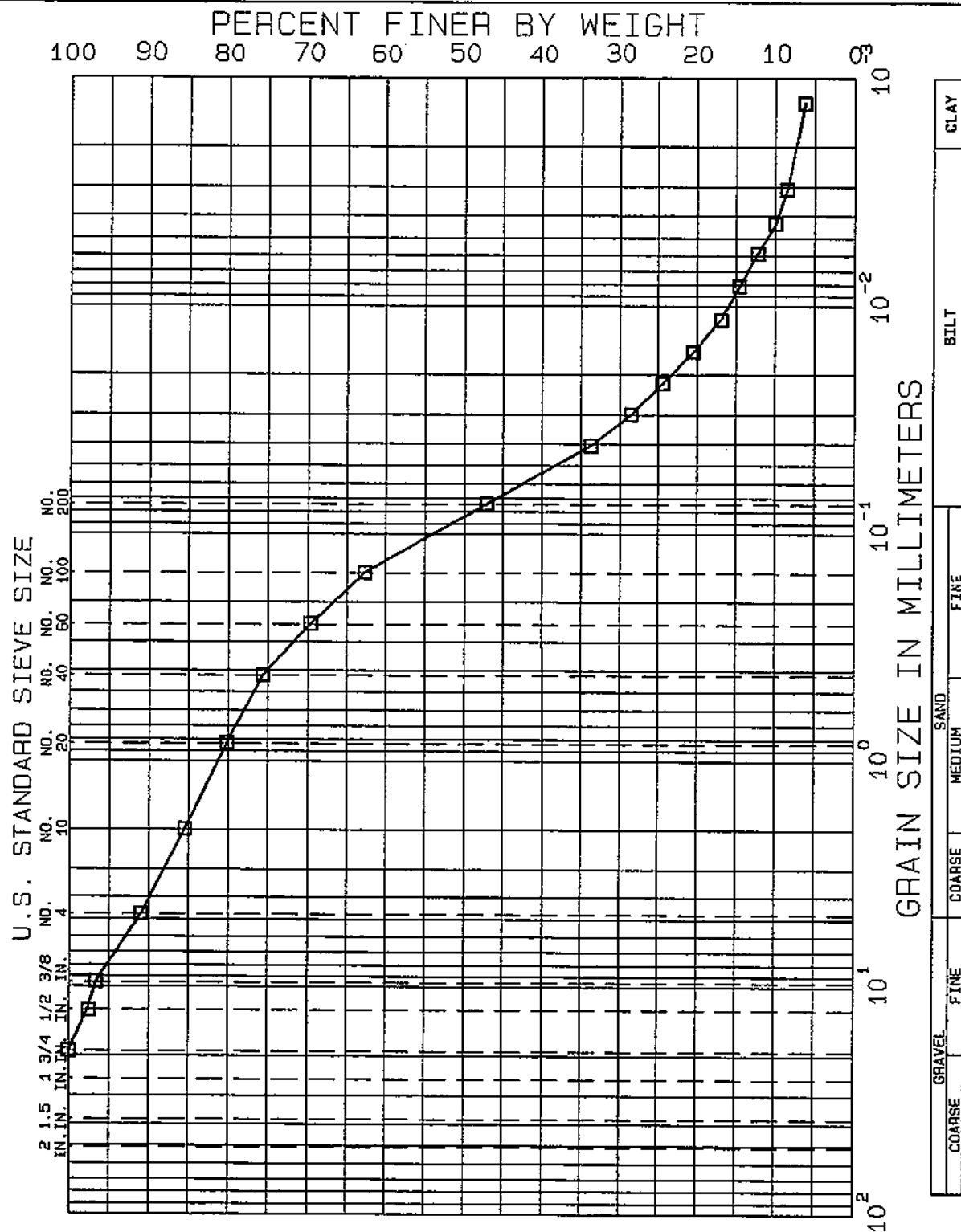
EXPLOR. NO. **SB-6**  
 SAMPLE NO. **S-20**  
 DEPTH **38.0-40.0 FT.**  
 TECH. **WGL/RAR**  
 REVIEWER **RAR**

WORK ORDER  
 NO. **2403**  
 DATE **11/29/94**  
 FILE **19078.10**









| TEST NO. | MATERIAL SOURCE                               | SAMPLE DESCRIPTION                                                 |
|----------|-----------------------------------------------|--------------------------------------------------------------------|
|          |                                               |                                                                    |
| D 422    | Test Borings No. SB-10<br>Depth 16.0-18.0 ft. | Brown Clayey SILT and<br>fine to coarse SAND,<br>trace fine Gravel |

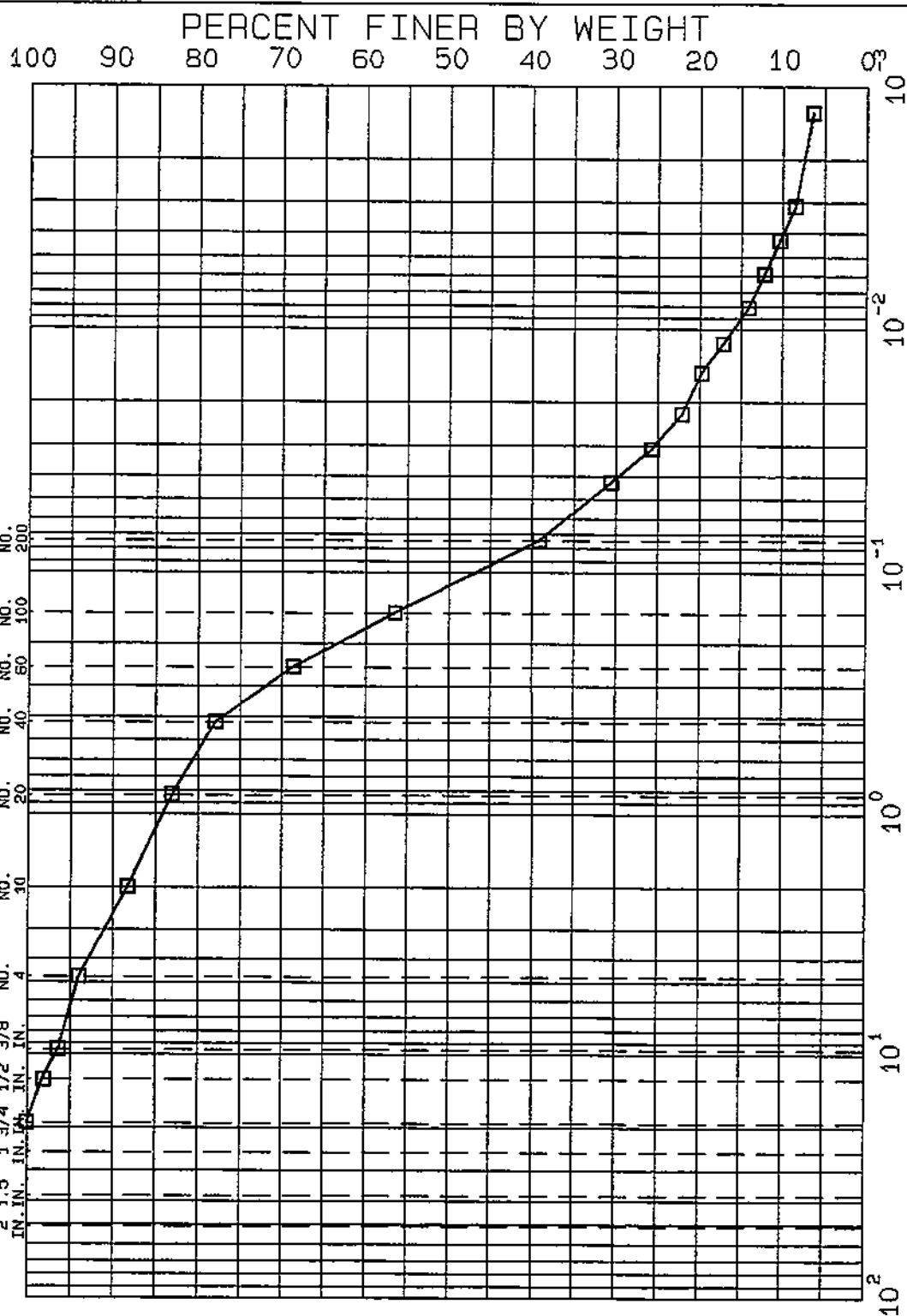
**STUART OLVER HOLTZ SITE  
ROCHESTER, NEW YORK  
GRADATION TESTS**

EXPLOR. NO. **SB-10**  
 SAMPLE NO. **S-9**  
 DEPTH **16.0-18.0 FT.**  
 TECH. **WGL/RAR**  
 REVIEWER **RAR**

WORK ORDER NO. **2403**  
 DATE **12/1/94**  
 FILE **1907B.10**



# U.S. STANDARD SIEVE SIZE



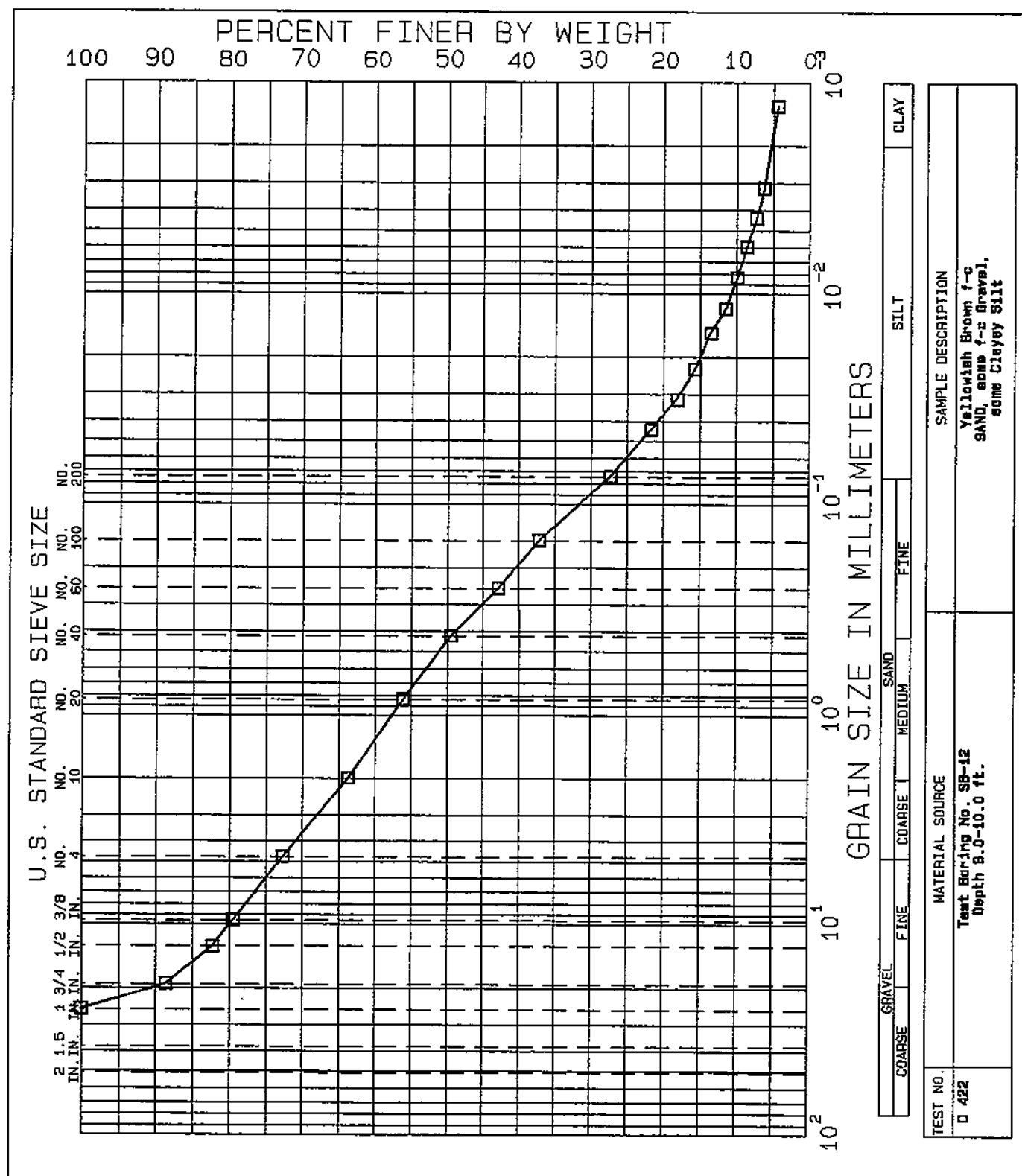
|        |      |        |        |      |      |
|--------|------|--------|--------|------|------|
| GRAVEL |      | SAND   |        | SILT | CLAY |
| COARSE | FINE | COARSE | MEDIUM | FINE |      |

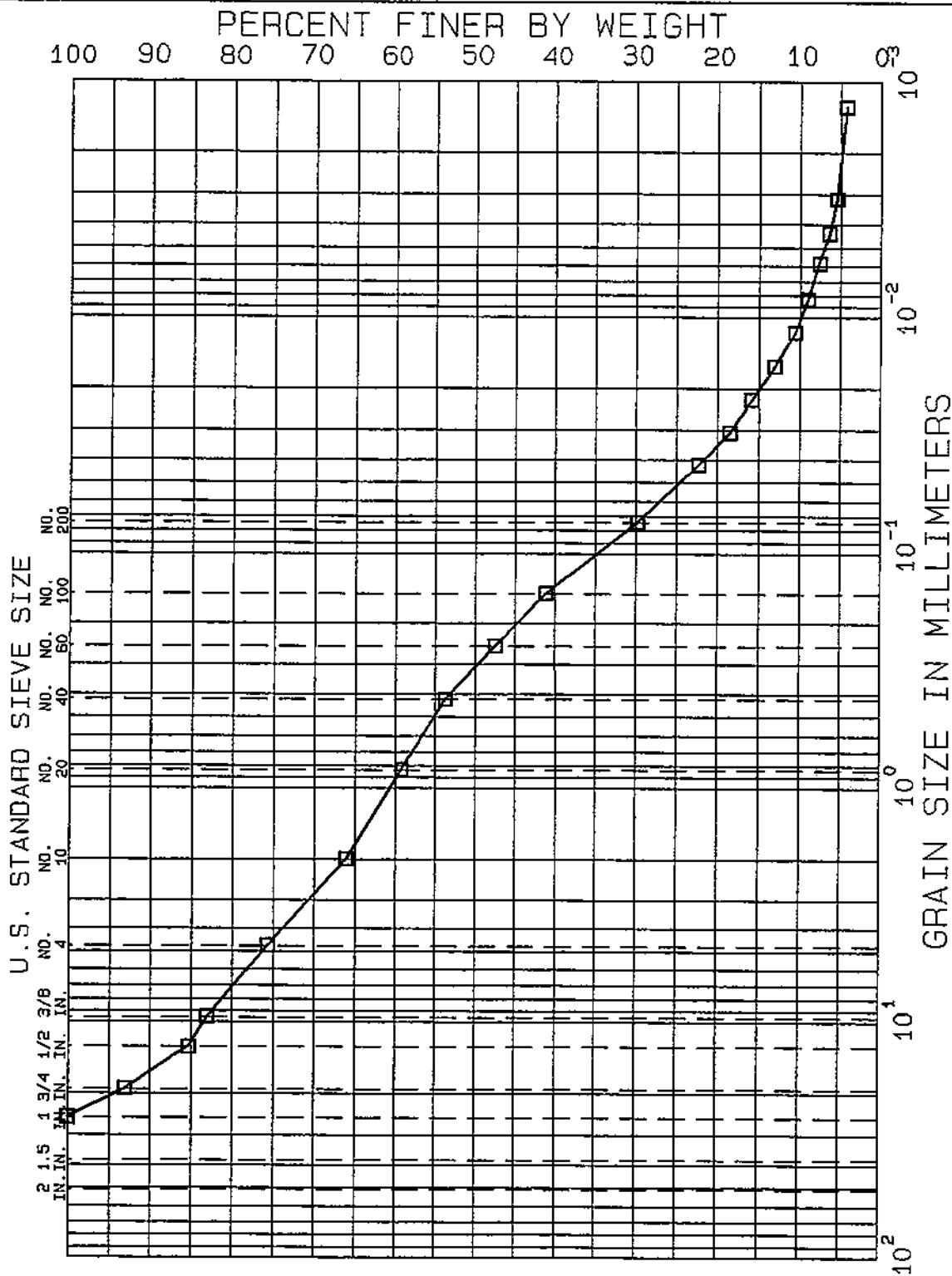
| TEST NO. |  | MATERIAL SOURCE                              |  | SAMPLE DESCRIPTION                                                |  |
|----------|--|----------------------------------------------|--|-------------------------------------------------------------------|--|
| D 422    |  | Test Boring No. SB-11<br>Depth 32.0-34.0 ft. |  | Gray fine to coarse<br>SAND and Clayey SILT,<br>trace fine Gravel |  |

## STUART OLIVER HOLTZ SITE ROCHESTER, NEW YORK GRADATION TESTS

EXPLOR. NO. SB-11  
SAMPLE NO. S-17  
DEPTH 32.0-34.0 FT.  
TECH. WGL/RAR  
REVIEWER RAR

WORK ORDER NO. 2403  
DATE 11/29/94  
FILE 19078.10







## GEOTECHNICAL LABORATORY TEST PROCEDURES

STUART OLVER HOLTZ SITE  
ROCHESTER, NEW YORK  
File No. 19078.10



1. The following tests were performed with the noted ASTM test designation:

| <u>TEST</u>               | <u>ASTM DESIGNATION</u> |
|---------------------------|-------------------------|
| Moisture Content          | D 2216-92               |
| Liquid and Plastic Limits | D 4318-84 (Procedure A) |
| Grain Size Analysis       | D 422-63 (See Item 2)   |

2. Test Procedure for Combined Sieve and Hydrometer Analysis

When both sieve and hydrometer analyses are required a combined mechanical analysis is performed. This procedure is, in part, similar to ASTM's D 2217-85 (wet preparation of soil sample for grain-size analysis and determination of soil constants-B).

A representative portion of the minus No. 4 material was mixed with a defloculant agent and distilled water mixture so as to form a thin homogeneous slurry. The fines suspended in this slurry were then poured over a No. 200 sieve into an empty hydrometer jar. Coarser fractions remaining on the No. 200 sieve after the separation process were then oven dried and sieved through a nest of sieves (Nos. 10, 20, 40, 60, 100, and 200). Any material passing the No. 200 sieve was added to the hydrometer jar containing the finer fraction.

Hydrometer analysis of these fines was performed in the conventional manner.

**LEGEND FOR GEOTECHNICAL  
LABORATORY DATA SUMMARY SHEET**

---

**WATER CONTENT (ASTM D 2216)**

---

%                      =        WATER CONTENT IN PERCENT

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---

**ATTERBERG LIMITS (ASTM D 4318)**

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LL %                      =        LIQUID LIMIT IN PERCENT

PL %                      =        PLASTIC LIMIT IN PERCENT

PI                        =        PLASTICITY INDEX

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**GRAIN SIZE ANALYSIS (ASTM D 422)**

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SIEVE -200 %                      =        PERCENT FINES, MATERIAL FINER THAN NO. 200 SIEVE  
(0.074 MM)

HYD. -2 $\mu$  %                      =        PERCENT FINER THAN 2 MICRONS

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**MOISTURE-DENSITY RELATIONSHIP (Modified) (ASTM D 1557)**

---

MAX. DRY DENSITY pcf                      =        MAXIMUM DRY DENSITY IN POUNDS PER CUBIC FOOT

OPT. WATER CONTENT %                      =        OPTIMUM WATER CONTENT IN PERCENT

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**PERMEABILITY TEST (ASTM D 5084)**

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PERMEABILITY cm/sec.                      =        PERMEABILITY MEASURED IN CENTIMETERS PER SECOND

TYPE OF TEST      K<sub>r</sub>                      =        RECONSTITUTED (REMOLDED) SAMPLE  
                            K                      =        UNDISTURBED SAMPLE

$\bar{\sigma}_c$  psf                      =        EFFECTIVE CONFINING PRESSURE DURING PERMEABILITY  
TEST IN POUNDS PER SQUARE FOOT

DRY UNIT WT. pcf                      =        DRY DENSITY OF TEST SAMPLE IN POUNDS PER CUBIC  
FOOT

WATER CONTENT %                      =        WATER CONTENT OF TEST SAMPLE IN PERCENT

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**APPENDIX D**  
**WELL DEVELOPMENT LOGS**

## SUMMARY OF WELL DEVELOPMENT

PROJECT: STUART-OLVER-HOLTZ REMEDIAL INVESTIGATION

GZA FILE NO. 19078.1

WELL NUMBER: OW-1S

DISTANCE FROM MONITORING POINT TO GROUND SURFACE: 1.75 ft.

TOTAL WELL DEPTH FROM MONITORING POINT (MP): 26.0 ft.

1 WELL VOLUME = 10.5 gal.

DATE WELL INSTALLED: 11/1/94

WELL DIAMETER: 4 in.

METHOD OF PURGE: Honda Pump with Check Valve

| DATE     | TIME | TEMP<br>(°C) | pH<br>(std. units) | CONDUCTIVITY<br>(μMHOS/CM) | TURBIDITY<br>(ntu) | WATER<br>DEPTH<br>(ft) | CUMMULATIVE<br>VOLUME<br>PURGED (gal) | REMARKS        |
|----------|------|--------------|--------------------|----------------------------|--------------------|------------------------|---------------------------------------|----------------|
| 11/18/94 | 0845 |              |                    |                            |                    | 9.81<br>initial        |                                       |                |
| 11/23/94 | 1005 | 18           | 7.08               | 1177                       | >200               | 9.95                   | 10                                    |                |
|          |      | 18           | 6.91               | 1158                       | >200               |                        | 20                                    | Dry at 21 gal. |
|          |      | 16           | 9.74               | 948                        | >200               |                        | 24                                    | Dry at 24 gal. |
|          |      | 15           | 8.58               | 1063                       | >200               |                        | 27                                    | Dry at 27 gal. |
|          |      | 16           | 8.40               | 1030                       | >200               |                        | 30                                    | Dry at 30 gal. |
|          |      | 17           | 8.69               | 1091                       | >200               |                        | 32                                    | Dry at 32 gal. |
|          |      |              |                    |                            |                    |                        |                                       |                |
|          |      |              |                    |                            |                    |                        |                                       |                |
|          |      |              |                    |                            |                    |                        |                                       |                |
|          |      |              |                    |                            |                    |                        |                                       |                |
|          |      |              |                    |                            |                    |                        |                                       |                |



EQUIPMENT USED: pH/Temp Meter - Extech Model 631

Digital Conductivity Meter - Extech #0316

Slope Indicator - Water Level Meter

Turbidity Meter - LaMotte Model 2008

NOTES: Water depth measured from top of well casing

## SUMMARY OF WELL DEVELOPMENT

PROJECT: STUART-OLVER-HOLTZ REMEDIAL INVESTIGATION

GZA FILE NO. 19078.1

WELL NUMBER: OW-1R

DISTANCE FROM MONITORING POINT TO GROUND SURFACE: 1.95

TOTAL WELL DEPTH FROM MONITOTING POINT (MP): 42.53

1 WELL VOLUME = 19 gal

DATE WELL INSTALLED: 11/8/94

WELL DIAMETER: 4 in.

METHOD OF PURGE: Sub Pump

| DATE     | TIME | TEMP<br>(°C) | pH<br>(std. units) | CONDUCTIVITY<br>(µMHOS/CM) | TURBIDITY<br>(ntu) | WATER<br>DEPTH<br>(ft) | CUMULATIVE<br>VOLUME<br>PURGED (gal) | REMARKS        |
|----------|------|--------------|--------------------|----------------------------|--------------------|------------------------|--------------------------------------|----------------|
| 11/10/94 | 1250 |              |                    |                            |                    | 12.6<br>initial        | 18                                   | Dry at 18 gal. |
|          | 1330 |              |                    |                            |                    | 38.0                   |                                      |                |
| 11/18/94 | 0900 | 13           | 10.5               | 450                        | >200<br>Brown      | 12.78<br>initial       | 35                                   | Pumped Dry     |
| 11/21/94 | 1330 | 17           | 7.44               | 593                        | >200               | 12.95                  | 52                                   | Pumped Dry     |
| 11/22/94 | 0930 | 12           | 7.21               | 855                        | 70.5               | 13.20                  | 69                                   | Pumped Dry     |
| 11/29/94 | 0905 | 15           | 8.46               | 444                        | >200               | 12.95<br>initial       | 89                                   | Pumped Dry     |
|          | 0935 | 12           | 7.92               | 582                        | >200               | 36.30                  | 92                                   |                |
| 11/30/94 | 0815 | 13           | 8.30               | 523                        | >200               | 12.75                  | 112                                  | Pumped Dry     |
|          | 1600 | 16           | 7.56               | 511                        | >200               | 12.78                  | 132                                  |                |
| 12/01/94 | 0815 | 13           | 7.30               | 480                        | >200               | 12.80                  | 152                                  |                |
|          | 1530 | 13           | 7.30               | 525                        | >200               | 13.00                  | 172                                  |                |
| 12/02/94 | 0820 | 13           | 7.70               | 492                        | 187                | 12.78                  | 192                                  |                |



EQUIPMENT USED: pH/Temp Meter - Extech Model 631

Digital Conductivity Meter - Extech #0316

Slope Indicator - Water Level Meter

Turbidity Meter - LaMotte Model 2008

NOTES: Water depth measured from top of well casing

## SUMMARY OF WELL DEVELOPMENT

PROJECT: STUART-OLVER-HOLTZ REMEDIAL INVESTIGATION

GZA FILE NO. 19078.1

WELL NUMBER: OW-1R

DISTANCE FROM MONITORING POINT TO GROUND SURFACE: 1.95

TOTAL WELL DEPTH FROM MONITOTING POINT (MP): 42.53

1 WELL VOLUME = 19 gal

DATE WELL INSTALLED: 11/8/94

WELL DIAMETER: 4 in.

METHOD OF PURGE: Sub Pump

| DATE     | TIME | TEMP<br>(°C) | pH<br>(std. units) | CONDUCTIVITY<br>(µMHOS/CM) | TURBIDITY<br>(ntu) | WATER<br>DEPTH<br>(ft) | CUMMULATIVE<br>VOLUME<br>PURGED (gal) | REMARKS |
|----------|------|--------------|--------------------|----------------------------|--------------------|------------------------|---------------------------------------|---------|
| 12/02/94 | 1448 | 14           | 7.10               | 510                        | 158                | 12.90                  | 212                                   |         |
| 12/05/94 | 1128 | 18           | 7.26               | 496                        | >200               | 12.80                  | 232                                   |         |
|          | 1558 | 14           | 7.92               | 565                        | >200               | 13.0                   | 252                                   |         |
| 12/06/94 | 0915 | 14           | 7.49               | 540                        | >200               | 12.80                  | 272                                   |         |
|          | 1515 | 13           | 7.45               | 536                        | >200               | 12.80                  | 292                                   |         |
|          |      |              |                    |                            |                    |                        |                                       |         |
|          |      |              |                    |                            |                    |                        |                                       |         |
|          |      |              |                    |                            |                    |                        |                                       |         |
|          |      |              |                    |                            |                    |                        |                                       |         |
|          |      |              |                    |                            |                    |                        |                                       |         |
|          |      |              |                    |                            |                    |                        |                                       |         |
|          |      |              |                    |                            |                    |                        |                                       |         |
|          |      |              |                    |                            |                    |                        |                                       |         |
|          |      |              |                    |                            |                    |                        |                                       |         |
|          |      |              |                    |                            |                    |                        |                                       |         |



EQUIPMENT USED: pH/Temp Meter - Extech Model 631

Digital Conductivity Meter - Extech #0316

Slope Indicator - Water Level Meter

Turbidity Meter - LaMotte Model 2008

NOTES: Water depth measured from top of well casing

## SUMMARY OF WELL DEVELOPMENT

PROJECT: STUART-OLVER-HOLTZ REMEDIAL INVESTIGATION

GZA FILE NO. 19078.1

WELL NUMBER: OW-2S

DISTANCE FROM MONITORING POINT TO GROUND SURFACE: 1.52 ft.

TOTAL WELL DEPTH FROM MONITORING POINT (MP): 23.0 ft.

1 WELL VOLUME = 10.2 gal.

DATE WELL INSTALLED: 11/2/94

WELL DIAMETER: 4 in.

METHOD OF PURGE: Honda Pump with Check Valve

| DATE     | TIME | TEMP<br>(°C) | pH<br>(std. units) | CONDUCTIVITY<br>(µMHOS/CM) | TURBIDITY<br>(ntu)          | WATER<br>DEPTH<br>(ft) | CUMMULATIVE<br>VOLUME<br>PURGED (gal) | REMARKS        |
|----------|------|--------------|--------------------|----------------------------|-----------------------------|------------------------|---------------------------------------|----------------|
| 11/18/94 | 0800 |              |                    |                            |                             | 9.58<br>Initial        |                                       |                |
| 11/28/94 | 1330 | 15           | 7.63               | 1300                       | >200<br>Brown               | 7.37<br>Initial        | 10                                    | Dry at 10 gal. |
|          |      | 20           | 7.31               | 1340                       | >200<br>Clearing<br>up      |                        | 18                                    | Dry at 18 gal. |
|          |      | 19           | 7.85               | 1340                       | >200<br>Clearing<br>up      |                        | 20                                    | Dry at 20 gal. |
|          |      | 18           | 7.85               | 1340                       | >200<br>Same as<br>previous |                        | 22                                    | Dry at 22 gal. |
|          |      |              |                    |                            |                             |                        |                                       |                |
|          |      |              |                    |                            |                             |                        |                                       |                |
|          |      |              |                    |                            |                             |                        |                                       |                |
|          |      |              |                    |                            |                             |                        |                                       |                |
|          |      |              |                    |                            |                             |                        |                                       |                |
|          |      |              |                    |                            |                             |                        |                                       |                |
|          |      |              |                    |                            |                             |                        |                                       |                |
|          |      |              |                    |                            |                             |                        |                                       |                |



EQUIPMENT USED: pH/Temp Meter - Extech Model 631

Digital Conductivity Meter - Extech #0316

Slope Indicator - Water Level Meter

Turbidity Meter - LaMotte Model 2008

NOTES: Water depth measured from top of well casing

## SUMMARY OF WELL DEVELOPMENT

PROJECT: STUART-OLVER-HOLTZ REMEDIAL INVESTIGATION

GZA FILE NO. 19078.1

WELL NUMBER: OW-2R

DISTANCE FROM MONITORING POINT TO GROUND SURFACE: 2.0 ft.

TOTAL WELL DEPTH FROM MONITOTING POINT (MP): 45.6 ft.

1 WELL VOLUME = 18.8 gal.

DATE WELL INSTALLED: 11/10/95

WELL DIAMETER: 4 in.

METHOD OF PURGE: Sub Pump

| DATE     | TIME | TEMP<br>(°C) | pH<br>(std. units) | CONDUCTIVITY<br>(µMHOS/CM) | TURBIDITY<br>(ntu) | WATER<br>DEPTH<br>(ft) | CUMMULATIVE<br>VOLUME<br>PURGED (gal) | REMARKS                               |
|----------|------|--------------|--------------------|----------------------------|--------------------|------------------------|---------------------------------------|---------------------------------------|
| 11/18/94 | 0845 |              |                    |                            |                    | 16.62<br>initial       |                                       |                                       |
|          | 1248 | 15           | 7.2                | >2000                      | >200<br>Brown      |                        | 25                                    |                                       |
|          |      | 16           | 7.2                | >2000                      | >200               |                        | 50                                    |                                       |
|          |      | 20           | 7.2                | >2000                      | >200               |                        | 75                                    |                                       |
|          |      | 21           | 7.1                | >2000                      | >200               |                        | 100                                   |                                       |
|          |      | 16           | 7.0                | >2000                      | >200               |                        | 125                                   |                                       |
|          |      | 17           | 7.0                | >2000                      | 59                 |                        | 150                                   |                                       |
| 11/22/94 | 1000 | 15           | 6.9                | 1743                       | 20                 | 16.50                  | 150                                   | Bailer used to<br>purge, this<br>date |
|          |      |              |                    |                            |                    |                        |                                       |                                       |
|          |      |              |                    |                            |                    |                        |                                       |                                       |
|          |      |              |                    |                            |                    |                        |                                       |                                       |
|          |      |              |                    |                            |                    |                        |                                       |                                       |



EQUIPMENT USED: pH/Temp Meter - Extech Model 631

Digital Conductivity Meter - Extech #0316

Slope Indicator - Water Level Meter

Turbidity Meter - LaMotte Model 2008

NOTES: Water depth measured from top of well casing

## SUMMARY OF WELL DEVELOPMENT

PROJECT: STUART-OLVER-HOLTZ REMEDIAL INVESTIGATION

GZA FILE NO. 19078.1

WELL NUMBER: OW-3S

DISTANCE FROM MONITORING POINT TO GROUND SURFACE: 1.9

TOTAL WELL DEPTH FROM MONITORING POINT (MP): 25.0

1 WELL VOLUME = 8.4 gal.

DATE WELL INSTALLED: 11/4/84

WELL DIAMETER: 4 in.

METHOD OF PURGE: Honda Pump with Check Valve

| DATE     | TIME | TEMP<br>(°C) | pH<br>(std. units) | CONDUCTIVITY<br>(µMHOS/CM) | TURBIDITY<br>(ntu) | WATER<br>DEPTH<br>(ft) | CUMMULATIVE<br>VOLUME<br>PURGED (gal) | REMARKS        |
|----------|------|--------------|--------------------|----------------------------|--------------------|------------------------|---------------------------------------|----------------|
| 11/18/94 | 0825 |              |                    |                            |                    | 12.76<br>Initial       |                                       |                |
|          | 1400 | 20           | 7.78               | 898                        | >200               | 12.10                  | 10                                    |                |
|          | 1420 | 18           | 7.13               | 899                        | >200               |                        | 19                                    |                |
|          | 1438 | 17           | 6.61               | 936                        | >200               |                        | 21                                    | Dry at 23 gal. |
|          | 1445 | 17           | 7.13               | 900                        | >200               |                        | 24                                    |                |
|          |      | 18           | 7.25               | 885                        | >200               |                        | 30                                    |                |
|          | 1450 | 16           | 6.84               | 877                        | >200               |                        | 32                                    |                |
|          | 1455 | 17           | 6.74               | 875                        | 177                |                        | 40                                    |                |
|          |      |              |                    |                            |                    |                        |                                       |                |
|          |      |              |                    |                            |                    |                        |                                       |                |
|          |      |              |                    |                            |                    |                        |                                       |                |
|          |      |              |                    |                            |                    |                        |                                       |                |



EQUIPMENT USED: pH/Temp Meter - Extech Model 631

Digital Conductivity Meter - Extech #0316

Slope Indicator - Water Level Meter

Turbidity Meter - LaMotte Model 2008

NOTES: Water depth measured from top of well casing

Sheet 1 of 1



## SUMMARY OF WELL DEVELOPMENT

PROJECT: STUART-OLVER-HOLTZ REMEDIAL INVESTIGATION

GZA FILE NO. 19078.1

WELL NUMBER: OW-3R

DISTANCE FROM MONITORING POINT TO GROUND SURFACE: 1.50 ft.

TOTAL WELL DEPTH FROM MONITOTING POINT (MP): 46.02 ft.

1 WELL VOLUME = 23.7 gal.

DATE WELL INSTALLED: 11/14/94

WELL DIAMETER: 4 in.

METHOD OF PURGE: Sub Pump

| DATE     | TIME | TEMP<br>(°C) | pH<br>(std. units) | CONDUCTIVITY<br>(µMHOS/CM) | TURBIDITY<br>(ntu) | WATER<br>DEPTH<br>(ft) | CUMMULATIVE<br>VOLUME<br>PURGED (gal) | REMARKS |
|----------|------|--------------|--------------------|----------------------------|--------------------|------------------------|---------------------------------------|---------|
| 11/18/94 | 0830 |              |                    |                            |                    | 9.46<br>Initial        |                                       |         |
| 11/21/94 | 1415 | 15           | 6.81               | 1673                       | >200               | 9.55                   | 24                                    |         |
|          |      | 15           | 7.12               | 1837                       | >200               |                        | 30                                    |         |
|          |      | 15           | 7.28               | 1860                       | >200               |                        | 50                                    |         |
|          |      | 15           | 7.42               | 1843                       | >200               |                        | 55                                    |         |
|          | 1500 | 15           | 7.32               | 1836                       | >200               |                        | 70                                    |         |
|          |      | 15           | 7.51               | 1807                       | >200               |                        | 80                                    |         |
|          |      | 15           | 7.49               | 1800                       | >200               |                        | 100                                   |         |
|          |      | 14           | 7.52               | 1800                       | >200               |                        | 102                                   |         |
|          |      | 13           | 7.54               | 1811                       | 54.4               |                        | 115                                   |         |
|          |      | 13           | 7.41               | 1834                       | 36.9               |                        | 125                                   |         |
|          |      |              |                    |                            |                    |                        |                                       |         |



EQUIPMENT USED: pH/Temp Meter - Extech Model 631

Digital Conductivity Meter - Extech #0316

Slope Indicator - Water Level Meter

Turbidity Meter - LaMotte Model 2008

NOTES: Water depth measured from top of well casing



## SUMMARY OF WELL DEVELOPMENT

PROJECT: STUART-OLVER-HOLTZ REMEDIAL INVESTIGATION

GZA FILE NO. 19078.1

WELL NUMBER: OW-4S

DISTANCE FROM MONITORING POINT TO GROUND SURFACE: 2.3 ft.

TOTAL WELL DEPTH FROM MONITORING POINT (MP): 27.0 ft.

1 WELL VOLUME = 9.9 gal.

DATE WELL INSTALLED: 11/21/94

WELL DIAMETER: 4 in.

METHOD OF PURGE: Honda Pump with Check Valve

| DATE     | TIME | TEMP<br>(°C) | pH<br>(std. units) | CONDUCTIVITY<br>(µMHOS/CM) | TURBIDITY<br>(ntu) | WATER<br>DEPTH<br>(ft) | CUMMULATIVE<br>VOLUME<br>PURGED (gal) | REMARKS        |
|----------|------|--------------|--------------------|----------------------------|--------------------|------------------------|---------------------------------------|----------------|
| 11/28/94 | 1335 |              |                    |                            |                    | 11.73<br>Initial       |                                       |                |
|          |      | 17           | 7.40               | 850                        | >200<br>Brown      |                        | 10                                    |                |
|          |      | 18           | 7.82               | 780                        | >200               |                        | 15                                    |                |
|          |      | 17           | 7.82               | 810                        | >200               |                        | 20                                    |                |
|          |      | 18           | 7.86               | 800                        | >200               |                        | 25                                    | Dry at 25 gal. |
|          | 1416 | 18           | 7.90               | 810                        | >200               |                        | 30                                    |                |
|          |      |              |                    |                            |                    |                        |                                       |                |
|          |      |              |                    |                            |                    |                        |                                       |                |
|          |      |              |                    |                            |                    |                        |                                       |                |
|          |      |              |                    |                            |                    |                        |                                       |                |
|          |      |              |                    |                            |                    |                        |                                       |                |
|          |      |              |                    |                            |                    |                        |                                       |                |
|          |      |              |                    |                            |                    |                        |                                       |                |
|          |      |              |                    |                            |                    |                        |                                       |                |



EQUIPMENT USED: pH/Temp Meter - Extech Model 631

Digital Conductivity Meter - Extech #0316

Slope Indicator - Water Level Meter

Turbidity Meter - LaMotte Model 2008

NOTES: Water depth measured from top of well casing

## SUMMARY OF WELL DEVELOPMENT

PROJECT: STUART OLVER HOLTZ REMEDIAL INVESTIGATION

GZA FILE NO. 19078.1

WELL NUMBER: OW-4R

DISTANCE FROM MONITORING POINT TO GROUND SURFACE: 161 ft

TOTAL WELL DEPTH FROM MONITOTING POINT (MP): 51.5 ft

1 WELL VOLUME = 24.3 gal.

DATE WELL INSTALLED: 11/21/95

WELL DIAMETER: 4 in.

**METHOD OF PURGE:** Sub Pump

[illegible]

**EQUIPMENT USED:** pH/Temp Meter - Extech Model 631

Digital Conductivity Meter - Extech #0316

### Slope Indicator - Water Level Meter

Turbidity Meter - LaMotte Model 2008

NOTES: Water depth measured from top of well casing

## SUMMARY OF WELL DEVELOPMENT

PROJECT: STUART-OLVER-HOLTZ REMEDIAL INVESTIGATION

GZA FILE NO. 19078.1

WELL NUMBER: OW-5S

DISTANCE FROM MONITORING POINT TO GROUND SURFACE: 1.85 ft.

TOTAL WELL DEPTH FROM MONITORING POINT (MP): 24.02 ft.

1 WELL VOLUME = 5.4 gal.

DATE WELL INSTALLED: 11/2/94

WELL DIAMETER: 4 in.

METHOD OF PURGE: Honda Pump with Check Valve

| DATE     | TIME | TEMP<br>(°C) | pH<br>(std. units) | CONDUCTIVITY<br>(μMHOS/CM) | TURBIDITY<br>(ntu) | WATER<br>DEPTH<br>(ft) | CUMMULATIVE<br>VOLUME<br>PURGED (gal) | REMARKS               |
|----------|------|--------------|--------------------|----------------------------|--------------------|------------------------|---------------------------------------|-----------------------|
| 11/18/94 | 0840 |              |                    |                            |                    | 15.27<br>Initial       |                                       |                       |
| 11/23/94 | 1308 | 17           | 7.4                | 916                        | >200<br>Brown      | 15.70<br>Initial       | 3.5                                   |                       |
|          |      | -            | -                  | -                          | -                  |                        | 9                                     | Dry at 9 gal.         |
|          | 1325 | 17           | 7.6                | 930                        | >200               |                        | 10                                    |                       |
|          | 1330 | 16           | 7.7                | 905                        | >200               |                        | 11                                    |                       |
|          | 1400 |              |                    |                            |                    |                        |                                       | Waited No<br>Recovery |
| 12/06/94 | 1055 | 17           | 7.6                | 822                        | 168                | 15.30<br>initial       | 19                                    | Pumped Dry            |
|          | 1145 | 16           | 7.6                | 840                        | >200               |                        | 21                                    | Pumped Dry            |
|          | 1425 | 16           | 7.5                | 805                        | >200               |                        | 22                                    | Pumped Dry            |
|          |      |              |                    |                            |                    |                        |                                       |                       |
|          |      |              |                    |                            |                    |                        |                                       |                       |
|          |      |              |                    |                            |                    |                        |                                       |                       |



EQUIPMENT USED: pH/Temp Meter - Extech Model 631

Digital Conductivity Meter - Extech #0316

Slope Indicator - Water Level Meter

Turbidity Meter - LaMotte Model 2008

NOTES: Water depth measured from top of well casing

## SUMMARY OF WELL DEVELOPMENT

PROJECT: STUART-OLVER-HOLTZ REMEDIAL INVESTIGATION

GZA FILE NO. 19078.1

WELL NUMBER: OW-6S

DISTANCE FROM MONITORING POINT TO GROUND SURFACE: 1.95 ft.

TOTAL WELL DEPTH FROM MONITORING POINT (MP): 16 ft.

1 WELL VOLUME = 4.9 gal.

DATE WELL INSTALLED: 11/03/95

WELL DIAMETER: 4 in.

METHOD OF PURGE: Honda Pump with Check Valve

| DATE     | TIME | TEMP<br>(°C) | pH<br>(std. units) | CONDUCTIVITY<br>(µMHOS/CM) | TURBIDITY<br>(ntu) | WATER<br>DEPTH<br>(ft) | CUMMULATIVE<br>VOLUME<br>PURGED (gal) | REMARKS       |
|----------|------|--------------|--------------------|----------------------------|--------------------|------------------------|---------------------------------------|---------------|
| 11/28/94 | 1430 | 19           | 7.18               | 850                        | >200               | 8.51<br>initial        | 3                                     | Dry at 3 gal. |
|          |      | 16           | 7.70               | 840                        | >200               |                        | 4                                     | Dry at 4 gal. |
|          |      | 16           | 7.70               | 840                        | >200               |                        | 5                                     | Dry at 5 gal. |
|          |      | 16           | 7.68               | 800                        | >200               |                        | 6                                     | Dry at 6 gal. |
| 12/06/94 | 1020 | 15           | 7.20               | 763                        | >200               | 7.60<br>initial        | 13                                    |               |
|          | 1105 | 15           | 7.05               | 742                        | 145                |                        | 17                                    |               |
|          | 1155 | 15           | 7.13               | 772                        | 106                |                        | 20                                    |               |
|          |      |              |                    |                            |                    |                        |                                       |               |
|          |      |              |                    |                            |                    |                        |                                       |               |
|          |      |              |                    |                            |                    |                        |                                       |               |
|          |      |              |                    |                            |                    |                        |                                       |               |
|          |      |              |                    |                            |                    |                        |                                       |               |
|          |      |              |                    |                            |                    |                        |                                       |               |
|          |      |              |                    |                            |                    |                        |                                       |               |



EQUIPMENT USED: pH/Temp Meter - Extech Model 631

Digital Conductivity Meter - Extech #0316

Slope Indicator - Water Level Meter

Turbidity Meter - LaMotte Model 2008

NOTES: Water depth measured from top of well casing

## SUMMARY OF WELL DEVELOPMENT

PROJECT: STUART-OLVER-HOLTZ REMEDIAL INVESTIGATION

GZA FILE NO. 19078.1

WELL NUMBER: OW-7S

DISTANCE FROM MONITORING POINT TO GROUND SURFACE: 0.62

TOTAL WELL DEPTH FROM MONITORING POINT (MP): 30.0 ft.

1 WELL VOLUME = 15.6 gal.

DATE WELL INSTALLED: 11/28/94

WELL DIAMETER: 4 in.

METHOD OF PURGE: Honda Pump with Check Valve

| DATE     | TIME | TEMP<br>(°C) | pH<br>(std. units) | CONDUCTIVITY<br>(µMHOS/CM) | TURBIDITY<br>(ntu) | WATER<br>DEPTH<br>(ft) | CUMMULATIVE<br>VOLUME<br>PURGED (gal) | REMARKS        |
|----------|------|--------------|--------------------|----------------------------|--------------------|------------------------|---------------------------------------|----------------|
| 12/05/94 | 1115 |              |                    |                            |                    | 6.00<br>initial        |                                       |                |
|          | 1225 | 18           | 11.29              | 564                        | >200               |                        | 14                                    |                |
|          | 1442 | 17           | 7.91               | 551                        | >200               |                        | 28                                    |                |
|          | 1500 | 24           | 8.26               | 554                        | >200               |                        | 38                                    |                |
|          | 1503 | 24           | 7.93               | 582                        | >200               |                        | 40                                    | Dry at 40 gal. |
|          | 1516 | 21           | 8.03               | 580                        | >200               |                        | 42                                    | Dry at 42 gal. |
|          | 1527 | 22           | 8.06               | 571                        | >200               |                        | 44                                    | Dry at 44 gal. |
|          | 1611 | 26           | 7.88               | 598                        | >200               |                        | 56                                    |                |
|          |      |              |                    |                            |                    |                        |                                       |                |
|          |      |              |                    |                            |                    |                        |                                       |                |
|          |      |              |                    |                            |                    |                        |                                       |                |
|          |      |              |                    |                            |                    |                        |                                       |                |



EQUIPMENT USED: pH/Temp Meter - Extech Model 631

Digital Conductivity Meter - Extech #0316

Slope Indicator - Water Level Meter

Turbidity Meter - LaMotte Model 2008

NOTES: Water depth measured from top of well casing

## SUMMARY OF WELL DEVELOPMENT

PROJECT: STUART-OLVER-HOLTZ REMEDIAL INVESTIGATION

GZA FILE NO: 19078.1

WELL NUMBER: OW-7R

DISTANCE FROM MONITORING POINT TO GROUND SURFACE: -0.35 ft

TOTAL WELL DEPTH FROM MONITORING POINT (MP): 46.2 ft

1. WELL VOLUME = 24.0 gal

DATE WELL INSTALLED: 11/23/94

WELL DIAMETER: 4 in.

METHOD OF PURGE: Sub Pump

| DATE     | TIME | TEMP<br>(°C) | pH<br>(std. units) | CONDUCTIVITY<br>(µMHOS/CM) | TURBIDITY<br>(ntu) | WATER<br>DEPTH<br>(ft) | CUMMULATIVE<br>VOLUME<br>PURGED (gal) | REMARKS |
|----------|------|--------------|--------------------|----------------------------|--------------------|------------------------|---------------------------------------|---------|
| 11/29/94 | 1320 |              |                    |                            |                    | 9.4<br>Initial         |                                       |         |
|          | 1333 |              | 7.9                | 1300                       | >200               |                        | 25                                    |         |
|          | 1335 |              | 8.3                | 1292                       | >200               |                        | 50                                    |         |
|          | 1338 |              | 7.6                | 1390                       | >200               |                        | 75                                    |         |
|          | 1342 |              | 7.31               | 1436                       | 188                |                        | 100                                   |         |
|          | 1345 |              | 7.27               | 1440                       | 108                |                        | 125                                   |         |
|          | 1347 |              | 7.27               | 1448                       | 103                |                        | 150                                   |         |
|          | 1350 |              | 7.20               | 1455                       | 80                 |                        | 175                                   |         |
|          | 1423 |              | 7.34               | 1390                       | 50                 | 9.50                   | 200                                   |         |
|          | 1431 |              | 7.16               | 1450                       | 32                 |                        | 225                                   | Sample  |
|          |      |              |                    |                            |                    |                        |                                       |         |
|          |      |              |                    |                            |                    |                        |                                       |         |



EQUIPMENT USED: pH/Temp Meter - Extech Model 631

Digital Conductivity Meter - Extech #0316

Slope Indicator - Water Level Meter

Turbidity Meter - LaMotte Model 2008

NOTES: Water depth measured from top of well casing



## SUMMARY OF WELL DEVELOPMENT

PROJECT: STUART-OLVER-HOLTZ REMEDIAL INVESTIGATION

GZA FILE NO. 19078.1

WELL NUMBER: OW-8S

DISTANCE FROM MONITORING POINT TO GROUND SURFACE: 2.4

TOTAL WELL DEPTH FROM MONITORING POINT (MP): 34.1 ft.

1 WELL VOLUME = 16.7 gal.

DATE WELL INSTALLED: 06/07/95

WELL DIAMETER: 4 in.

METHOD OF PURGE: Honda Pump with Check Valve

| DATE     | TIME | TEMP<br>(°C) | pH<br>(std. units) | CONDUCTIVITY<br>(µMHOS/CM) | TURBIDITY<br>(ntu) | WATER<br>DEPTH<br>(ft) | CUMMULATIVE<br>VOLUME<br>PURGED (gal) | REMARKS |
|----------|------|--------------|--------------------|----------------------------|--------------------|------------------------|---------------------------------------|---------|
| 06/28/95 | 1605 |              |                    |                            |                    | 8.44                   |                                       | Initial |
|          | 1618 | 21           | 7.52               | 595                        | >200               |                        | 7                                     |         |
|          | 1619 | 22           | 7.73               | 630                        | >200               |                        | 9                                     |         |
|          | 1621 | 30           | 7.57               | 664                        | >200               |                        | 13                                    |         |
|          | 1636 | 28           | 7.41               | 696                        | >200               |                        | 17                                    |         |
|          | 1644 | 22           | 7.23               | 674                        | >200               |                        | 21                                    |         |
|          | 1646 | 24           | 7.26               | 676                        | >200               |                        | 22                                    |         |
|          | 1700 | 29           | 7.41               | 680                        | >200               |                        | 24                                    |         |
|          | 1702 | 29           | 7.54               | 685                        | >200               |                        | 25                                    |         |
| 06/29/95 | 0830 |              |                    |                            |                    | 9.74                   |                                       | Initial |
|          | 0842 | 21           | 6.79               | 830                        | >200               |                        | 26                                    |         |
|          | 0844 | 19           | 6.91               | 785                        | >200               |                        | 30                                    |         |



EQUIPMENT USED: pH/Temp Meter - Extech Model 631

Digital Conductivity Meter - Extech #0316

Slope Indicator - Water Level Meter

Turbidity Meter - LaMotte Model 2008

NOTES: Water depth measured from top of well casing

## SUMMARY OF WELL DEVELOPMENT

PROJECT: STUART-OLVER-HOLTZ REMEDIAL INVESTIGATION

GZA FILE NO 19078.1

WELL NUMBER: OW-8S

DISTANCE FROM MONITORING POINT TO GROUND SURFACE: 2.4

TOTAL WELL DEPTH FROM MONITORING POINT (MP): 34.1 ft

1 WELL VOLUME = 16.7 gal

DATE WELL INSTALLED: 06/07/95

WELL DIAMETER: 4 in.

METHOD OF PURGE: Honda Pump with Check Valve

| DATE     | TIME | TEMP<br>(°C) | pH<br>(std. units) | CONDUCTIVITY<br>(µMHOS/CM) | TURBIDITY<br>(ntu) | WATER<br>DEPTH<br>(ft) | CUMMULATIVE<br>VOLUME<br>PURGED (gal) | REMARKS |
|----------|------|--------------|--------------------|----------------------------|--------------------|------------------------|---------------------------------------|---------|
| 06/29/95 | 0846 | 20           | 6.99               | 768                        | >200               |                        | 34                                    |         |
|          | 0848 | 22           | 7.08               | 769                        | >200               |                        | 37                                    |         |
|          | 0850 | 23           | 7.19               | 754                        | >200               |                        | 40                                    |         |
|          | 0859 | 21           | 7.19               | 710                        | >200               |                        | 44                                    |         |
|          | 0901 | 27           | 7.41               | 701                        | >200               |                        | 45                                    |         |
|          | 1025 | 24           | 7.51               | 685                        | >200               |                        | 47                                    |         |
|          | 1027 | 23           | 7.52               | 670                        | >200               |                        | 52                                    |         |
|          |      |              |                    |                            |                    |                        |                                       |         |
|          |      |              |                    |                            |                    |                        |                                       |         |
|          |      |              |                    |                            |                    |                        |                                       |         |
|          |      |              |                    |                            |                    |                        |                                       |         |
|          |      |              |                    |                            |                    |                        |                                       |         |
|          |      |              |                    |                            |                    |                        |                                       |         |



EQUIPMENT USED: pH/Temp Meter - Extech Model 631

Digital Conductivity Meter - Extech #0316

Slope Indicator - Water Level Meter

Turbidity Meter - LaMotte Model 2008

NOTES: Water depth measured from top of well casing



## SUMMARY OF WELL DEVELOPMENT

PROJECT: STUART-OLVER-HOLTZ REMEDIAL INVESTIGATION

GZA FILE NO. 19078.1

WELL NUMBER: OW-9S

DISTANCE FROM MONITORING POINT TO GROUND SURFACE: -0.5

TOTAL WELL DEPTH FROM MONITOTING POINT (MP): 23.1 ft.

1 WELL VOLUME = 3.1 gal.

DATE WELL INSTALLED: 06/21/95

WELL DIAMETER: 2 in.

METHOD OF PURGE: Honda Pump with Check Valve

| DATE     | TIME | TEMP<br>(°C) | pH<br>(std. units) | CONDUCTIVITY<br>(µMHOS/CM) | TURBIDITY<br>(ntu) | WATER<br>DEPTH<br>(ft) | CUMMULATIVE<br>VOLUME<br>PURGED (gal) | REMARKS |
|----------|------|--------------|--------------------|----------------------------|--------------------|------------------------|---------------------------------------|---------|
| 06/29/95 | 0920 |              |                    |                            |                    | 3.76                   |                                       | Initial |
|          | 0925 | 20           | 10.47              | 440                        | >200               |                        | 3                                     |         |
|          | 0926 | 21           | 9.20               | 444                        | >200               |                        | 6                                     |         |
|          | 0930 | 24           | 8.37               | 580                        | >200               |                        | 9                                     |         |
|          | 0950 | 19           | 8.10               | 680                        | >200               |                        | 12                                    |         |
|          | 0952 | 22           | 8.05               | 690                        | >200               |                        | 14                                    |         |
|          | 1004 | 18           | 7.90               | 630                        | >200               |                        | 16                                    |         |
|          | 1006 | 20           | 7.90               | 633                        | >200               |                        | 18                                    |         |
|          |      |              |                    |                            |                    |                        |                                       |         |
|          |      |              |                    |                            |                    |                        |                                       |         |
|          |      |              |                    |                            |                    |                        |                                       |         |
|          |      |              |                    |                            |                    |                        |                                       |         |



EQUIPMENT USED: pH/Temp Meter - Extech Model 631

Digital Conductivity Meter - Extech #0316

Slope Indicator - Water Level Meter

Turbidity Meter - LaMotte Model 2008

NOTES: Water depth measured from top of well casing

## SUMMARY OF WELL DEVELOPMENT

PROJECT: STUART-OLVER-HOLTZ REMEDIAL INVESTIGATION

GZA FILE NO. 19078.1

WELL NUMBER: B101-OW

DISTANCE FROM MONITORING POINT TO GROUND SURFACE: -0.5

TOTAL WELL DEPTH FROM MONITORING POINT (MP): 13.7 ft.

1 WELL VOLUME = 1.3 gal.

DATE WELL INSTALLED: 12/31/91

WELL DIAMETER: 2 in.

METHOD OF PURGE: Honda Pump with Check Valve

| DATE     | TIME | TEMP<br>(°C) | pH<br>(std. units) | CONDUCTIVITY<br>(µMHOS/CM) | TURBIDITY<br>(ntu) | WATER<br>DEPTH<br>(ft) | CUMMULATIVE<br>VOLUME<br>PURGED (gal) | REMARKS |
|----------|------|--------------|--------------------|----------------------------|--------------------|------------------------|---------------------------------------|---------|
| 06/28/95 | 1406 |              |                    |                            |                    | 5.65                   |                                       | Initial |
|          | 1410 | 18           | 6.52               | 860                        | >200               |                        | 3                                     |         |
|          | 1413 | 18           | 6.87               | 880                        | >200               |                        | 5                                     |         |
|          | 1416 | 23           | 7.29               | 915                        | >200               |                        | 6                                     |         |
|          | 1420 | 25           | 7.09               | 915                        | >200               |                        | 7                                     |         |
|          | 1455 | 20           | 6.97               | 860                        | >200               |                        | 8                                     |         |
|          | 1500 | 25           | 7.70               | 945                        | >200               |                        | 10                                    |         |
|          |      |              |                    |                            |                    |                        |                                       |         |
|          |      |              |                    |                            |                    |                        |                                       |         |
|          |      |              |                    |                            |                    |                        |                                       |         |
|          |      |              |                    |                            |                    |                        |                                       |         |
|          |      |              |                    |                            |                    |                        |                                       |         |



EQUIPMENT USED: pH/Temp Meter - Extech Model 631

Digital Conductivity Meter - Extech #0316

Slope Indicator - Water Level Meter

Turbidity Meter - LaMotte Model 2008

NOTES: Water depth measured from top of well casing

## SUMMARY OF WELL DEVELOPMENT

PROJECT: STUART-OLVER-HOLTZ REMEDIAL INVESTIGATION

GZA FILE NO 19078.1

WELL NUMBER: OW-10s

DISTANCE FROM MONITORING POINT TO GROUND SURFACE: -0.6

TOTAL WELL DEPTH FROM MONITOTING POINT (MP): 16.30

1 WELL VOLUME = 1.4 gal.

DATE WELL INSTALLED: 06/22/95

WELL DIAMETER: 2 in.

METHOD OF PURGE: Honda Pump with Check Valve

| DATE     | TIME | TEMP<br>(°C) | pH<br>(std. units) | CONDUCTIVITY<br>(µMHOS/CM) | TURBIDITY<br>(ntu) | WATER<br>DEPTH<br>(ft) | CUMMULATIVE<br>VOLUME<br>PURGED (gal) | REMARKS |
|----------|------|--------------|--------------------|----------------------------|--------------------|------------------------|---------------------------------------|---------|
| 06/28/95 | 1525 |              |                    |                            |                    | 7.56                   |                                       | Initial |
|          | 1530 | 28           | 7.95               | 274                        | >200               |                        | 2                                     |         |
|          | 1535 | 24           | 7.99               | 352                        | >200               |                        | 3                                     |         |
|          | 1543 | 26           | 7.96               | 360                        | >200               |                        | 3.5                                   |         |
|          | 1550 | 27           | 7.95               | 387                        | >200               |                        | 4                                     |         |
| 06/29/95 | 1325 |              |                    |                            |                    | 10.13                  |                                       | Initial |
|          | 1330 | 26           | 8.64               | 410                        | >200               |                        | 5                                     |         |
|          | 1336 | 26           | 8.08               | 445                        | >200               |                        | 6                                     |         |
|          | 1345 | 27           | 7.95               | 467                        | >200               |                        | 6.5                                   |         |
|          | 1402 | 30           | 7.97               | 502                        | >200               |                        | 7                                     |         |
|          | 1414 | 33           | 8.06               | 518                        | >200               |                        | 7.25                                  |         |
|          | 1432 | 35           | 8.11               | 545                        |                    |                        | 7.3                                   |         |



EQUIPMENT USED: pH/Temp Meter - Extech Model 631

Digital Conductivity Meter - Extech #0316

Slope Indicator - Water Level Meter

Turbidity Meter - LaMotte Model 2008

NOTES: Water depth measured from top of well casing

Sheet 1 of 1

## SUMMARY OF WELL DEVELOPMENT

PROJECT: STUART-OLVER-HOLTZ REMEDIAL INVESTIGATION

GZA FILE NO. 19078.1

WELL NUMBER: OW-11s

DISTANCE FROM MONITORING POINT TO GROUND SURFACE: 2.1

TOTAL WELL DEPTH FROM MONITOTING POINT (MP): 14.22

1 WELL VOLUME = 0.9 gal

DATE WELL INSTALLED: 06/23/95

WELL DIAMETER: 2 in

METHOD OF PURGE: Honda Pump with Check Valve

| DATE     | TIME | TEMP<br>(°C) | pH<br>(std. units) | CONDUCTIVITY<br>(µMHOS/CM) | TURBIDITY<br>(ntu) | WATER<br>DEPTH<br>(ft) | CUMMULATIVE<br>VOLUME<br>PURGED (gal) | REMARKS |
|----------|------|--------------|--------------------|----------------------------|--------------------|------------------------|---------------------------------------|---------|
| 06/28/95 | 1325 |              |                    |                            |                    | 8.41                   |                                       | Initial |
|          | 1347 | 20           | 6.45               | 760                        | >200               |                        | 2                                     |         |
|          | 1350 | 18           | 6.53               | 685                        | >200               |                        | 4                                     |         |
|          | 1352 | 21           | 6.97               | 750                        | >200               |                        | 5                                     |         |
|          | 1355 | 21           | 6.98               | 731                        | >200               |                        | 7                                     |         |
|          | 1357 | 22           | 7.01               | 730                        | >200               |                        | 8                                     |         |
|          | 1400 | 25           | 7.18               | 740                        | >200               |                        | 9                                     |         |
|          | 1430 | 26           | 7.26               | 745                        | >200               |                        | 10                                    |         |
|          | 1435 | 26           | 7.32               | 730                        | >200               |                        | 11                                    |         |
|          | 1445 | 25           | 7.37               | 705                        | >200               |                        | 12                                    |         |
|          |      |              |                    |                            |                    |                        |                                       |         |
|          |      |              |                    |                            |                    |                        |                                       |         |



EQUIPMENT USED: pH/Temp Meter - Extech Model 631

Digital Conductivity Meter - Extech #0316

Slope Indicator - Water Level Meter

Turbidity Meter - LaMotte Model 2008

NOTES: Water depth measured from top of well casing

**APPENDIX E**

**GROUNDWATER SAMPLING PARAMETER SUMMARY**

Remedial Investigation  
Stuart - Olver - Holtz  
Site No. 8-28-079  
Henrietta, New York

GROUNDWATER SAMPLING PARAMETER SUMMARY

| Well Name    |    | Parameters |                  |           |                        |
|--------------|----|------------|------------------|-----------|------------------------|
|              |    | pH         | Temperature (°C) | Turbidity | Spec. Cond. (umhos/cm) |
| OW-1S        | R1 | 7.02       | 17               | >200      | 886                    |
|              | R2 | 6.89       | 18               | >200      | 1188                   |
| OW-1R        | R1 | 7.23       | 18               | >200      | 548                    |
|              | R2 | 7.19       | 15               | >200      | 730                    |
| OW-2S        | R1 | 7.19       | 20               | >200      | 1025                   |
|              | R2 | 7.40       | 25               | >200      | 1452                   |
| OW-2R        | R1 | 7.91       | 20               | >200      | 700                    |
|              | R2 | 7.12       | 16               | >200      | 773                    |
| OW-3S        | R1 | 7.15       | 16               | >200      | 606                    |
|              | R2 | 7.20       | 15               | >200      | 730                    |
| OW-3R        | R1 | 6.68       | 19               | 132       | 1082                   |
|              | R2 | 7.21       | 16               | >200      | 1535                   |
| OW-4S        | R1 | 7.28       | 22               | >200      | 615                    |
|              | R2 | 7.39       | 15               | >200      | 796                    |
| OW-4R        | R1 | 7.33       | 21               | >200      | 1124                   |
|              | R2 | 7.30       | 20               | >200      | 1688                   |
| OW-5S        | R1 | 8.01       | 15               | >200      | 462                    |
|              | R2 | 7.55       | 19               | >200      | 738                    |
| OW-6S        | R1 | 6.88       | 20               | >200      | 649                    |
|              | R2 | 7.05       | 19               | >200      | 821                    |
| OW-7S        | R1 | 7.30       | 19               | 69.8      | 417                    |
|              | R2 | 7.65       | 16               | >200      | 582                    |
| OW-7R        | R1 | 8.05       | 24               | 158.9     | 820                    |
|              | R2 | 8.14       | 18               | >200      | 1179                   |
| OW-8S        | R1 | 7.26       | 18               | 79.0      | 627                    |
|              | R2 | 7.55       | 18               | >200      | 884                    |
| OW-9S        | R1 | 7.53       | 18               | >200      | 704                    |
|              | R2 | 7.79       | 20               | >200      | 933                    |
| OW-10S       | R1 | 7.97       | 21               | >200      | 535                    |
|              | R2 | 7.80       | 21               | >200      | 960                    |
| OW-11S       | R1 | 7.12       | 18               | >200      | 688                    |
|              | R2 | 7.22       | 21               | >200      | 901                    |
| OW-LS (MW-2) | R1 | 6.59       | 19               | >200      | 980                    |
|              | R2 | 6.98       | 22               | >200      | 1075                   |
| B-101-OW     | R1 | 6.89       | 19               | >200      | 1018                   |
|              | R2 | 7.35       | 20               | >200      | 1290                   |
| MW-2         | R1 | 7.11       | 14               | >200      | 862                    |
|              | R2 | 6.89       | 20               | >200      | 1019                   |
| MW-3         | R1 | 7.34       | 17               | 137.6     | 820                    |
|              | R2 | 7.05       | 20               | >200      | 1015                   |
| MW-5         | R1 | 7.16       | 17               | >200      | 625                    |
|              | R2 | 6.91       | 18               | >200      | 823                    |
| IW-1R        | R1 | 7.31       | 22               | >200      | 723                    |
|              | R2 | 7.26       | 24               | >200      | 1410                   |
| IW-2R        | R1 | 6.87       | 20               | 45.8      | 1115                   |
|              | R2 | 9.45       | 24               |           | 818                    |
| SUMP-1       | R1 |            |                  |           |                        |
|              | R2 | 7.38       | 20               |           | 1299                   |
| SUMP-2       | R1 |            |                  |           |                        |
|              | R2 | 7.05       | 20               |           | 1397                   |
| SUMP-3       | R1 |            |                  |           |                        |
|              | R2 | 7.12       | 19               |           | 1379                   |

Notes:

- 1) Field parameters were measured during well purging and at time of sampling. Results shown are those obtained at time of sampling.
- 2) R1 = Groundwater Sampling Round 1  
R2 = Groundwater Sampling Round 2

**APPENDIX F**  
**HYDRAULIC CONDUCTIVITY TESTING RESULTS**

# Summary of Hydraulic Conductivity Results

## Remedial Investigation Report

Stuart - Olver - Holtz

Site No. 8-28-079

Henrietta, New York

| Monitoring Well | Screened Zone                              | Variable Head Tests |          |
|-----------------|--------------------------------------------|---------------------|----------|
|                 |                                            | Rising Head         |          |
|                 |                                            | (ft/min)            | (cm/sec) |
| OW-1S           | Upper/Lower Till Interface                 | 1.8E-03             | 9.2E-04  |
| OW-2S           | Upper Till                                 | 1.2E-03             | 6.1E-04  |
| OW-3S           | Upper Till                                 | 6.9E-03             | 3.5E-03  |
| OW-4S           | Upper/Lower Till Interface                 | 1.9E-03             | 9.5E-04  |
| OW-5S           | Upper/Lower Till Interface                 | 4.5E-04             | 2.3E-04  |
| OW-6S           | Upper Till                                 | 1.7E-04             | 8.8E-05  |
| OW-7S           | Upper Till                                 | 5.1E-04             | 2.6E-04  |
| OW-8S           | Upper Till                                 | 2.9E-04             | 1.5E-04  |
| OW-9S           | Upper/Lower Till Interface                 | 7.1E-03             | 3.6E-03  |
| OW-10S          | Upper Till                                 | 2.0E-03             | 1.0E-03  |
| OW-11S          | Lacustrine/Upper/Lower Till Interfaces     | 7.6E-03             | 3.8E-03  |
| OW-LS           | Upper Till                                 | 1.7E-02             | 8.4E-03  |
| B-101-OW        | Upper Till                                 | 8.8E-03             | 4.5E-03  |
| MW-2            | Upper Till                                 | 4.5E-03             | 4.9E-03  |
| MW-3            | Upper Till                                 | 1.7E-03             | 8.5E-04  |
| MW-5            | Upper Till                                 | 6.3E-04             | 3.2E-04  |
| OW-1R           | Lower Till/Top of Weathered Rock Interface | 5.5E-04             | 2.8E-04  |
| OW-2R           | Top of Weathered Rock                      | 8.3E-03             | 4.2E-03  |
| OW-3R           | Lower Till/Top of Weathered Rock Interface | 2.3E-03             | 1.2E-03  |
| OW-4R           | Lower Till/Top of Weathered Rock Interface | 2.5E-03             | 1.3E-03  |
| OW-7R           | Lower Till/Top of Weathered Rock Interface | 2.1E-02             | 1.1E-02  |

### Notes:

- 1) Data calculated using the Bouwer and Rice, 1976 method.
- 2) For additional information see Appendix H.



Monitoring Well: OW-1S  
 Date Test Performed: 1/19/95  
 Test performed By: DPB  
 Analysis Performed By: DPB  
 Checked By: MJS

| Test Data |               |                       |                        |
|-----------|---------------|-----------------------|------------------------|
|           | Time<br>(min) | Water Level<br>(feet) | Drawdown = y<br>(feet) |
| 0         | 0.00          | 12.63                 | 3.45                   |
| 60        | 1.00          | 12.29                 | 3.11                   |
| 120       | 2.00          | 11.97                 | 2.79                   |
| 180       | 3.00          | 11.72                 | 2.54                   |
| 240       | 4.00          | 11.48                 | 2.30                   |
| 300       | 5.00          | 11.26                 | 2.08                   |
| 360       | 6.00          | 11.08                 | 1.90                   |
| 420       | 7.00          | 10.90                 | 1.72                   |
| 540       | 9.00          | 10.63                 | 1.45                   |
| 660       | 11.00         | 10.40                 | 1.22                   |
| 780       | 13.00         | 10.22                 | 1.04                   |
| 900       | 15.00         | 10.05                 | 0.87                   |
| 1080      | 18.00         | 9.88                  | 0.70                   |
| 1260      | 21.00         | 9.74                  | 0.56                   |
| 1440      | 24.00         | 9.63                  | 0.45                   |
| 1630      | 28.00         | 9.54                  | 0.36                   |
| 1860      | 31.00         | 9.48                  | 0.30                   |
| 2100      | 35.00         | 9.40                  | 0.22                   |
| 2580      | 43.00         | 9.32                  | 0.14                   |

Static Water Level (ft.) = 9.18

#### Well Configuration

L (ft) = 10.8  
 H (ft) = 15.42  
 D (ft) = 15.42  
 rw (ft) = 0.417  
 rc (ft) = 0.167

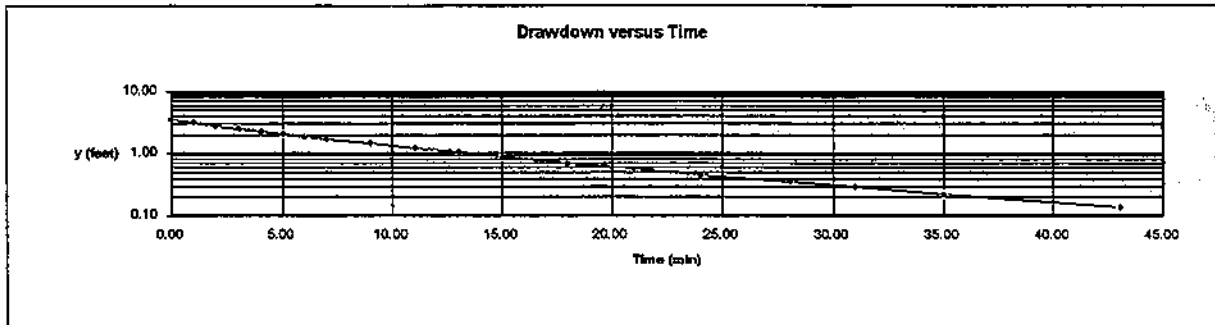
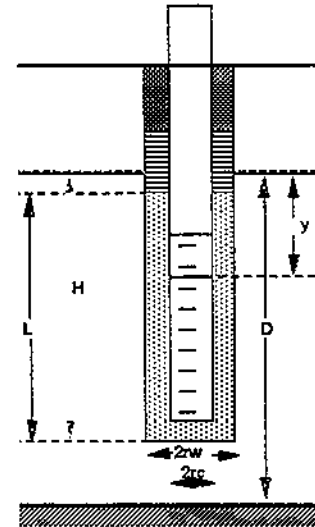
If water filling within filter then

reff (ft) = 0.417

porosity = 0.3

Use the appropriate radius for the calculation of "K"

r = 0.417



From the graph above, select slope

y1 (ft) = 2.79 t1 (min) = 2

y2 (ft) = 0.56 t2 (min) = 21

$\ln(y1/y2)/(t2-t1) = 0.084518952$

If H < D then enter dimensionless parameters

A = 4

B = 1.6

$\ln(Rs/rw)$  #NUM!

K = #NUM! ft/min = #NUM! cm/s  
 T = #NUM! ft<sup>2</sup>/min = #NUM! cm<sup>2</sup>/s

Note:

To obtain dimensionless parameters A, B and C refer to  
 Bouwer and Rice June 1976 for graphical relation with L / rw  
 L / rw = 25.9

If H = D then enter dimensionless parameter

C = 1.8

$\ln(Rs/rw)$  2.672504

K = 1.82E-03 ft/min = 9.22E-04 cm/s  
 T = 0.02804 ft<sup>2</sup>/min = 0.432172166 cm<sup>2</sup>/s

# Monitoring Well: OW-2S

Date Test Performed: 1/25/95

Test performed By: DPB

Analysis Performed By: DPB

Checked By:

| Test Data |            |                    |                     |
|-----------|------------|--------------------|---------------------|
|           | Time (min) | Water Level (feet) | Drawdown = y (feet) |
| 0         | 0.00       | 8.96               | 3.12                |
| 60        | 1.00       | 8.80               | 2.96                |
| 120       | 2.00       | 8.66               | 2.82                |
| 180       | 3.00       | 8.54               | 2.70                |
| 240       | 4.00       | 8.42               | 2.58                |
| 300       | 5.00       | 8.31               | 2.47                |
| 360       | 6.00       | 8.21               | 2.37                |
| 420       | 7.00       | 8.10               | 2.26                |
| 480       | 8.00       | 8.01               | 2.17                |
| 600       | 10.00      | 7.84               | 2.00                |
| 660       | 11.00      | 7.74               | 1.90                |
| 720       | 12.00      | 7.68               | 1.84                |
| 780       | 13.00      | 7.60               | 1.76                |
| 840       | 14.00      | 7.52               | 1.68                |
| 900       | 15.00      | 7.43               | 1.59                |
| 960       | 16.00      | 7.39               | 1.55                |
| 1020      | 17.00      | 7.33               | 1.49                |
| 1080      | 18.00      | 7.27               | 1.43                |
| 1140      | 19.00      | 7.22               | 1.38                |
| 1200      | 20.00      | 7.16               | 1.32                |
| 1260      | 21.00      | 7.10               | 1.26                |
| 1320      | 22.00      | 7.06               | 1.22                |
| 1440      | 24.00      | 6.96               | 1.12                |
| 1560      | 26.00      | 6.88               | 1.04                |
| 1680      | 28.00      | 6.80               | 0.96                |
| 1860      | 31.00      | 6.70               | 0.86                |
| 2040      | 34.00      | 6.60               | 0.76                |
| 2220      | 37.00      | 6.52               | 0.68                |
| 2400      | 40.00      | 6.44               | 0.60                |
| 2580      | 43.00      | 6.38               | 0.54                |
| 2760      | 46.00      | 6.32               | 0.48                |
| 2940      | 49.00      | 6.27               | 0.43                |
| 3120      | 52.00      | 6.22               | 0.38                |

Static Water Level (ft.)= 5.84

## Well Configuration

L (ft) = 7.5

H (ft) = 17.46

D (ft) = 17.76

rw (ft) = 0.417

rc (ft) = 0.167

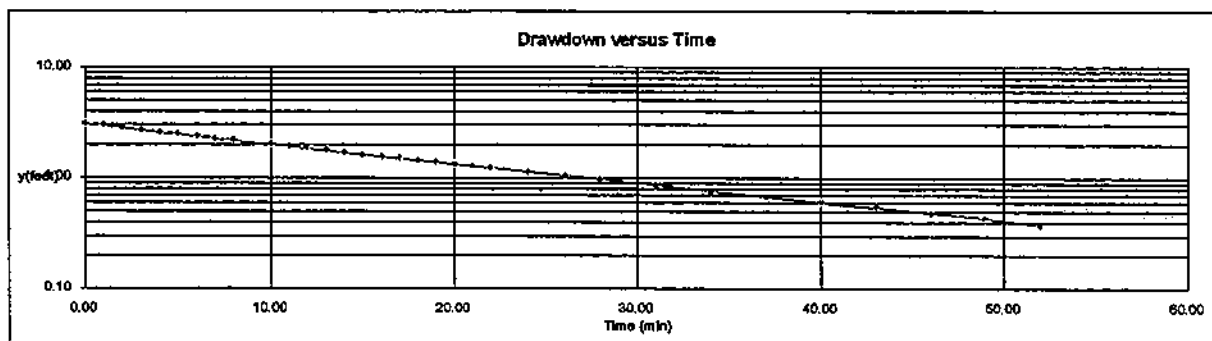
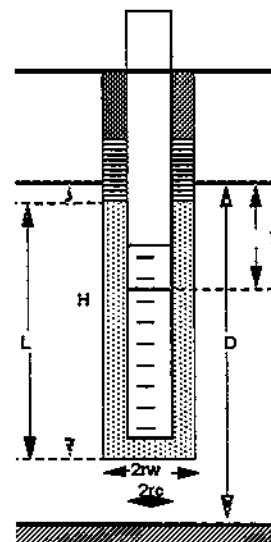
If water filling within filter then

reff (ft) = 0.417

porosity = 0.3

Use the appropriate radius for the calculation of "K"

r = 0.417



From the graph above, select slope

y1 (ft) = 2.82 t1 (min) = 2

y2 (ft) = 0.43 t2 (min) = 10

$\ln(y1/y2)/(t2-t1) = 0.042948713$

If H < D then enter dimensionless parameters

A = 2.2

B = 0.25

$\ln(Rc/rw) = 2.425494559$

K =  $1.21E-03$  ft/min =  $6.12E-04$  cm/s  
T =  $0.021447381$  ft<sup>2</sup>/min =  $0.330564$  cm<sup>2</sup>/s

Note:

To obtain dimensionless parameters A, B and C refer to Bouwer and Rice June 1976 for graphical relation with L / rw  
L / rw = 17.98561

If H = D then enter dimensionless parameter

C = 1.6

$\ln(Rc/rw) = 2.607532$

K =  $1.30E-03$  ft/min =  $6.58E-04$  cm/s  
T =  $0.023057$  ft<sup>2</sup>/min =  $0.355374$  cm<sup>2</sup>/s

Monitoring Well: OW-3S  
Date Test Performed: 10/19/95  
Test performed By: MJS/TRS  
Analysis Performed By: DPB  
Checked By: MJS

| Test Data   |            |                    |                     |
|-------------|------------|--------------------|---------------------|
| Time (sec.) | Time (min) | Water Level (feet) | Drawdown = y (feet) |
| 0           | 0.00       | 15.10              | 2.44                |
| 20          | 0.33       | 14.88              | 2.22                |
| 50          | 0.83       | 14.60              | 1.94                |
| 110         | 1.83       | 14.35              | 1.69                |
| 140         | 2.33       | 13.77              | 1.11                |
| 177         | 2.95       | 13.70              | 1.04                |
| 200         | 3.33       | 13.67              | 1.01                |
| 230         | 3.83       | 13.57              | 0.91                |
| 260         | 4.33       | 13.48              | 0.82                |
| 290         | 4.83       | 13.37              | 0.71                |
| 320         | 5.33       | 13.27              | 0.61                |
| 350         | 5.83       | 13.22              | 0.56                |
| 380         | 6.33       | 13.17              | 0.51                |
| 410         | 6.83       | 13.09              | 0.43                |
| 440         | 7.33       | 13.05              | 0.39                |
| 500         | 8.33       | 12.97              | 0.31                |
| 530         | 8.83       | 12.94              | 0.28                |
| 560         | 9.33       | 12.91              | 0.25                |
| 620         | 10.33      | 12.89              | 0.23                |
| 680         | 11.33      | 12.85              | 0.19                |
| 740         | 12.33      | 12.82              | 0.16                |
| 800         | 13.33      | 12.79              | 0.13                |
| 860         | 14.33      | 12.76              | 0.10                |
| 920         | 15.33      | 12.75              | 0.09                |

Static Water Level (ft.) = 12.66

#### Well Configuration

L (ft) = 7.3  
H (ft) = 17.46  
D (ft) = 17.76  
rw (ft) = 0.417  
rc (ft) = 0.167

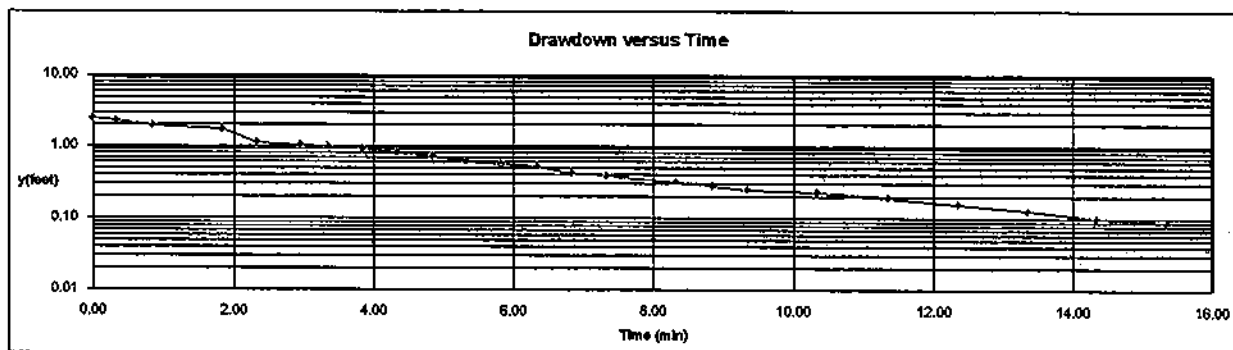
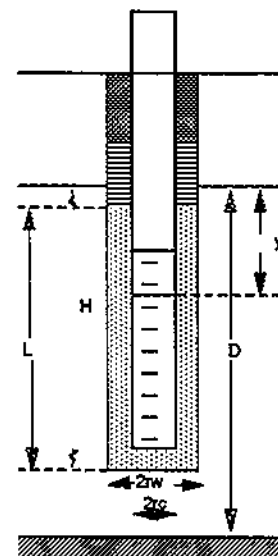
If water filling within filter then

reff (ft) = 0.417

porosity = 0.3

Use the appropriate radius for the calculation of "K"

r = 0.417



From the graph above, select slope

y1 (ft) = 1.01 t1 (min) = 3.33

y2 (ft) = 0.56 t2 (min) = 5.83

$\ln(y1/y2)/(t2-t1) = 0.23590753$

If  $H < D$  then enter dimensionless parameters

A = 2.1

B = 0.3

$\ln(Re/rw) = 2.445824954$

K =  $6.87E-03$  ft/min =  $3.48E-03$  cm/s

T =  $0.122047642$  ft<sup>2</sup>/min =  $1.881096$  cm<sup>2</sup>/s

Note:

To obtain dimensionless parameters A, B and C refer to Bouwer and Rice June 1976 for graphical relation with L / rw

L / rw = 17.506

If  $H = D$  then enter dimensionless parameter

C = 1.6

$\ln(Re/rw) = 2.591065$

K =  $7.28E-03$  ft/min =  $3.69E-03$  cm/s

T =  $0.129295$  ft<sup>2</sup>/min =  $1.992801$  cm<sup>2</sup>/s

Monitoring Well: OW-4S  
Date Test Performed: 10/19/95  
Test performed By:  
Analysis Performed By: DPB  
Checked By: MJS

| Test Data   |            |                    |                     |
|-------------|------------|--------------------|---------------------|
| Time (sec.) | Time (min) | Water Level (feet) | Drawdown = y (feet) |
| 0           | 0.00       | 12.05              | 3.55                |
| 30          | 0.50       | 11.83              | 3.33                |
| 60          | 1.00       | 11.64              | 3.14                |
| 120         | 2.00       | 11.33              | 2.83                |
| 180         | 3.00       | 11.07              | 2.57                |
| 240         | 4.00       | 10.84              | 2.34                |
| 300         | 5.00       | 10.63              | 2.13                |
| 360         | 6.00       | 10.46              | 1.96                |
| 420         | 7.00       | 10.32              | 1.82                |
| 480         | 8.00       | 10.18              | 1.68                |
| 540         | 9.00       | 10.05              | 1.55                |
| 600         | 10.00      | 9.95               | 1.45                |
| 660         | 11.00      | 9.86               | 1.36                |
| 720         | 12.00      | 9.76               | 1.26                |
| 780         | 13.00      | 9.68               | 1.18                |
| 840         | 14.00      | 9.60               | 1.10                |
| 900         | 15.00      | 9.54               | 1.04                |
| 1020        | 17.00      | 9.42               | 0.92                |
| 1140        | 19.00      | 9.30               | 0.80                |
| 1260        | 21.00      | 9.23               | 0.73                |
| 1380        | 23.00      | 9.16               | 0.66                |
| 1500        | 25.00      | 9.10               | 0.60                |
| 1800        | 30.00      | 8.98               | 0.48                |
| 2100        | 35.00      | 8.90               | 0.40                |
| 2400        | 40.00      | 8.82               | 0.32                |
| 2700        | 45.00      | 8.78               | 0.28                |
| 3000        | 50.00      | 8.74               | 0.24                |
| 3720        | 62.00      | 8.70               | 0.20                |
| 4200        | 70.00      | 8.66               | 0.16                |

Static Water Level (ft.)= 8.5

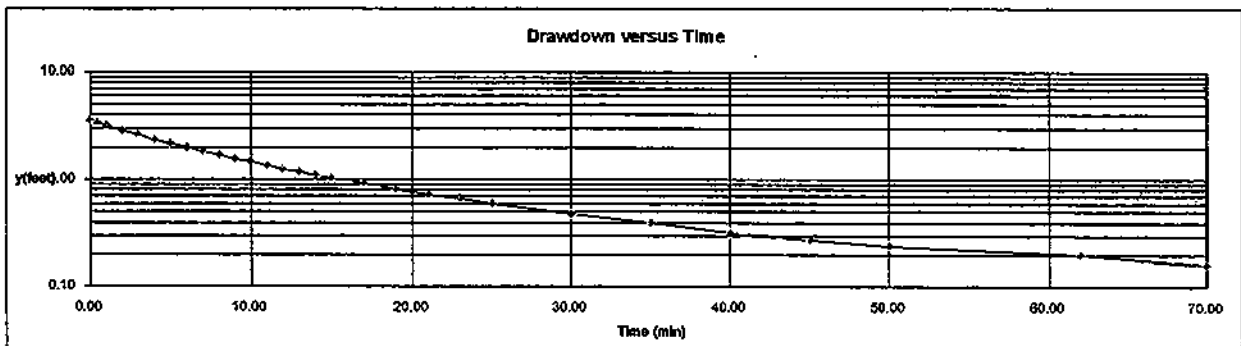
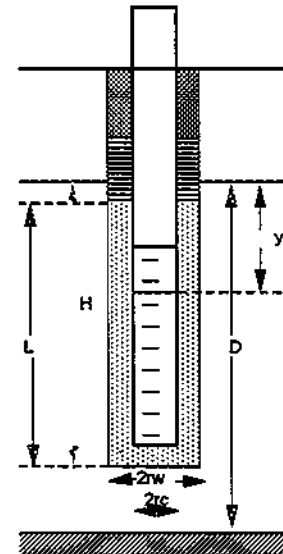
#### Well Configuration

L (ft) = 8.6  
H (ft) = 15.9  
D (ft) = 15.9  
rw (ft) = 0.417  
rc (ft) = 0.167

If water filling within filter then

reff (ft) = 0.417  
porosity = 0.3

Use the appropriate radius for the calculation of "K"  
r = 0.417



From the graph above, select slope

y1 (ft) = 1.96 t1 (min) = 6  
y2 (ft) = 1.04 t2 (min) = 15  
ln(y1/y2)/(t2-t1) = 0.070413751

If H < D then enter dimensionless parameters

A = 2.1  
B = 0.3  
ln (Re/rw) #NUM!

K = #NUM! ft/min = #NUM! cm/s  
T = #NUM! ft^2/min = #NUM! cm^2/s

Note:

To obtain dimensionless parameters A, B and C refer to Bouwer and Rice June 1976 for graphical relation with L / rw  
L / rw = 20.6235

If H = D then enter dimensionless parameter

C = 1.6

ln (Re/rw) 2.633678

K = 1.87E-03 ft/min = 9.50E-04 cm/s  
T = 0.02981 ft^2/min = 0.459454 cm^2/s

Monitoring Well: OW-5S  
Date Test Performed: 10/19/95  
Test performed By: MJS/TRS  
Analysis Performed By: DPB  
Checked By: MJS

| Test Data   |            |                    |                     |
|-------------|------------|--------------------|---------------------|
| Time (sec.) | Time (min) | Water Level (feet) | Drawdown = y (feet) |
| 0           | 0.00       | 15.81              | 0.80                |
| 15          | 0.25       | 15.67              | 0.66                |
| 30          | 0.50       | 15.60              | 0.59                |
| 45          | 0.75       | 15.54              | 0.53                |
| 60          | 1.00       | 15.52              | 0.51                |
| 75          | 1.25       | 15.48              | 0.47                |
| 135         | 2.25       | 15.44              | 0.43                |
| 165         | 2.75       | 15.43              | 0.42                |
| 195         | 3.25       | 15.42              | 0.41                |
| 225         | 3.75       | 15.42              | 0.41                |
| 285         | 4.75       | 15.41              | 0.40                |
| 405         | 6.75       | 15.39              | 0.38                |
| 525         | 8.75       | 15.38              | 0.37                |
| 765         | 12.75      | 15.36              | 0.35                |
| 1065        | 17.75      | 15.33              | 0.32                |
| 1685        | 27.75      | 15.31              | 0.30                |
| 2865        | 47.75      | 15.29              | 0.28                |
| 4665        | 77.75      | 15.26              | 0.25                |
| 6885        | 114.75     | 15.24              | 0.23                |

Static Water Level (ft.) = 15.01

#### Well Configuration

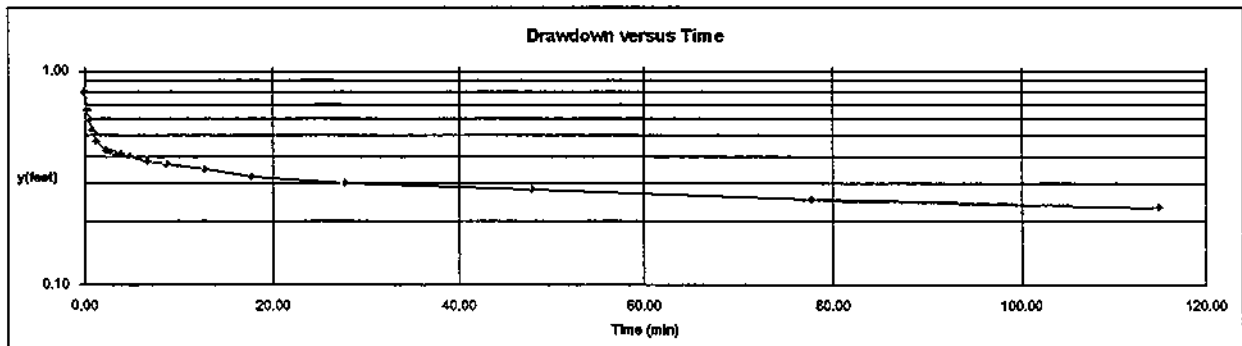
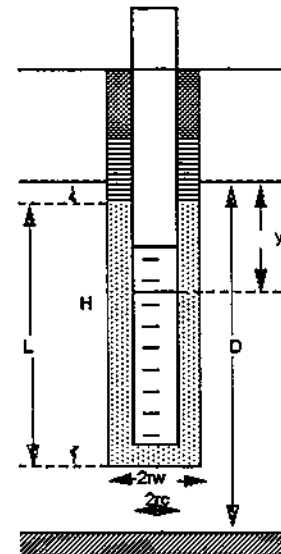
L (ft) = 4.6  
H (ft) = 2.29  
D (ft) = 2.29  
rw (ft) = 0.417  
rc (ft) = 0.167

If water filling within filter then

reff (ft) = 0.417

porosity = 0.3

Use the appropriate radius for the calculation of "K"  
r = 0.417



From the graph above, select slope

y1 (ft) = 0.42 t1 (min) = 2.75

y2 (ft) = 0.35 t2 (min) = 12.75

$\ln(y1/y2)/(t2-t1) = 0.018232156$

If  $H < D$  then enter dimensionless parameters

A = 1.8

B = 0.25

$\ln(Rc/rw)$  #NUM!

K = #NUM! ft/min = #NUM! cm/s  
T = #NUM! ft<sup>2</sup>/min = #NUM! cm<sup>2</sup>/s

Note:

To obtain dimensionless parameters A, B and C refer to Bouwer and Rice June 1976 for graphical relation with L / rw  
L / rw = 11.03118

If  $H = D$  then enter dimensionless parameter

C = 1.3

$\ln(Rc/rw)$  1.309444

K = 4.51E-04 ft/min = 2.29E-04 cm/s  
T = 0.001033 ft<sup>2</sup>/min 0.015927 cm<sup>2</sup>/s

Monitoring Well: OW-6S  
 Date Test Performed: 1/20/95  
 Test performed By: MJS/TRS  
 Analysis Performed By: DPB  
 Checked By: MJS

| Test Data   |            |                    |                     |
|-------------|------------|--------------------|---------------------|
| Time (sec.) | Time (min) | Water Level (feet) | Drawdown = y (feet) |
| 0           | 0.00       | 11.40              | 5.18                |
| 60          | 1.00       | 11.30              | 5.08                |
| 120         | 2.00       | 11.26              | 5.04                |
| 180         | 3.00       | 11.22              | 5.00                |
| 240         | 4.00       | 11.18              | 4.96                |
| 300         | 5.00       | 11.16              | 4.94                |
| 420         | 7.00       | 11.00              | 4.78                |
| 540         | 9.00       | 10.98              | 4.76                |
| 660         | 11.00      | 10.85              | 4.63                |
| 780         | 13.00      | 10.76              | 4.54                |
| 900         | 15.00      | 10.72              | 4.50                |
| 1140        | 19.00      | 10.70              | 4.48                |
| 1380        | 23.00      | 10.55              | 4.33                |
| 1620        | 27.00      | 10.54              | 4.32                |
| 2100        | 35.00      | 10.32              | 4.10                |
| 2340        | 39.00      | 10.28              | 4.06                |
| 2580        | 43.00      | 10.22              | 4.00                |
| 2820        | 47.00      | 10.04              | 3.82                |
| 3060        | 51.00      | 10.00              | 3.78                |

Static Water Level (ft.) = 6.22

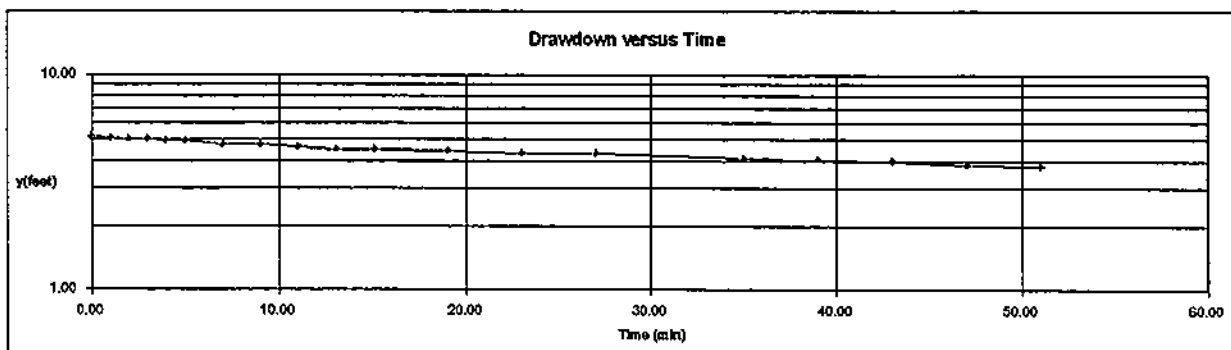
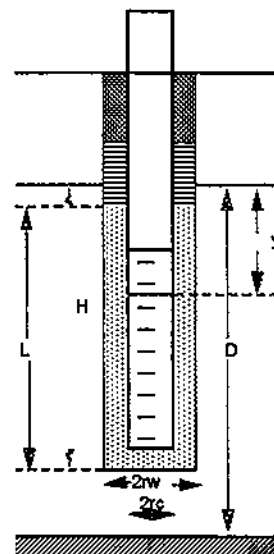
#### Well Configuration

L (ft) = 8  
 H (ft) = 10.78  
 D (ft) = 18.28  
 rw (ft) = 0.417  
 rc (ft) = 0.167

If water filling within filter then

reff (ft) = 0.417  
 porosity = 0.3

Use the appropriate radius for the calculation of "K"  
 r = 0.417



From the graph above, select slope

y1 (ft) = 5.08 t1 (min) = 1  
 y2 (ft) = 4.96 t2 (min) = 4  
 $\ln(y1/y2)/(t2-t1) = 0.007968507$

If H < D then enter dimensionless parameters

A = 2.2  
 B = 0.3  
 $\ln(Rc/rw) = 2.007723889$

K =  $1.74E-04$  ft/min =  $8.81E-05$  cm/s  
 T =  $0.003178405$  ft<sup>2</sup>/min =  $0.048988$  cm<sup>2</sup>/s

Note:

To obtain dimensionless parameters A, B and C refer to  
 Bouwer and Rice June 1976 for graphical relation with L / rw  
 L / rw = 19.18465

If H = D then enter dimensionless parameter

C = 1.7  
 $\ln(Rc/rw) = 2.342863$

K =  $2.03E-04$  ft/min =  $1.03E-04$  cm/s  
 T =  $0.003709$  ft<sup>2</sup>/min =  $0.057165$  cm<sup>2</sup>/s

Monitoring Well: OW-7S  
Date Test Performed: 10/19/95  
Test performed By: MJS/TRS  
Analysis Performed By: DPB  
Checked By: MJS

| Test Data   |            |                    |                     |
|-------------|------------|--------------------|---------------------|
| Time (sec.) | Time (min) | Water Level (feet) | Drawdown = y (feet) |
| 0           | 0.00       | 8.69               | 2.03                |
| 15          | 0.25       | 8.66               | 2.00                |
| 30          | 0.50       | 8.64               | 1.98                |
| 45          | 0.75       | 8.63               | 1.97                |
| 75          | 1.25       | 8.60               | 1.94                |
| 105         | 1.75       | 8.58               | 1.92                |
| 135         | 2.25       | 8.56               | 1.90                |
| 165         | 2.75       | 8.55               | 1.89                |
| 195         | 3.25       | 8.55               | 1.89                |
| 315         | 5.25       | 8.48               | 1.82                |
| 435         | 7.25       | 8.42               | 1.76                |
| 555         | 9.25       | 8.36               | 1.70                |
| 675         | 11.25      | 8.34               | 1.68                |
| 795         | 13.25      | 8.34               | 1.68                |
| 1095        | 18.25      | 8.26               | 1.60                |
| 1395        | 23.25      | 8.16               | 1.50                |
| 2445        | 40.75      | 7.85               | 1.19                |
| 3135        | 52.25      | 7.66               | 1.00                |
| 3735        | 62.25      | 7.56               | 0.90                |
| 4335        | 72.25      | 7.45               | 0.79                |
| 4935        | 82.25      | 7.35               | 0.69                |
| 5535        | 92.25      | 7.27               | 0.61                |
| 6135        | 102.25     | 7.18               | 0.52                |
| 6775        | 112.92     | 7.09               | 0.43                |
| 7375        | 122.92     | 7.04               | 0.38                |
| 7975        | 132.92     | 7.00               | 0.34                |
| 8675        | 144.58     | 6.97               | 0.31                |

Static Water Level (ft.) = 6.66

#### Well Configuration

L (ft) = 7.5  
H (ft) = 23.74  
D (ft) = 23.74  
rw (ft) = 0.417  
rc (ft) = 0.167

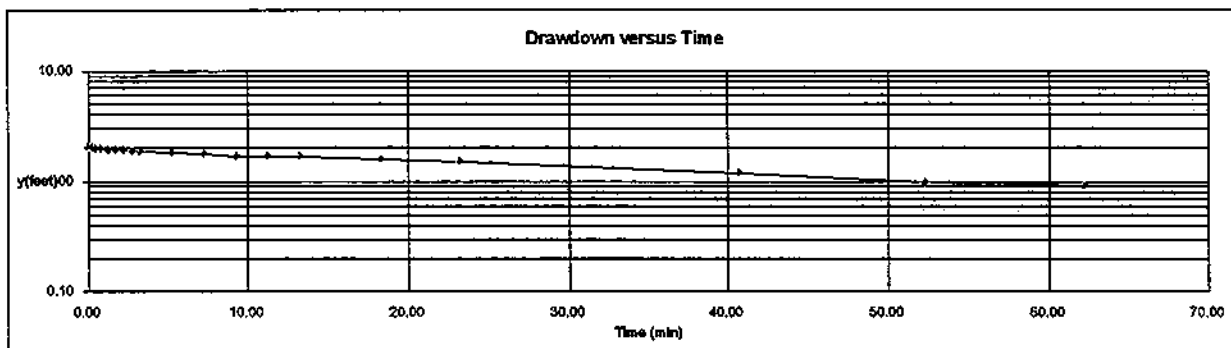
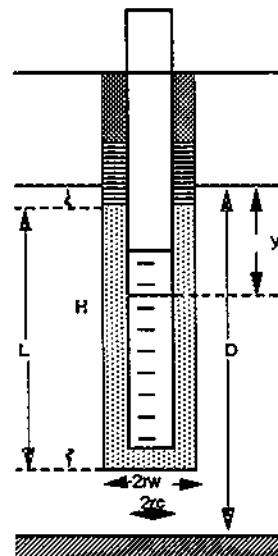
If water filling within filter then

reff (ft) = 0.417

porosity = 0.3

Use the appropriate radius for the calculation of "K"

r = 0.417



From the graph above, select slope

y1 (ft) = 5.08 t1 (min) = 0.75

y2 (ft) = 4.96 t2 (min) = 2.25

$\ln(y1/y2)/(t2-t1) = 0.015937014$

Note:

To obtain dimensionless parameters A, B and C refer to Bouwer and Rice June 1976 for graphical relation with L / rw

L / rw = 17.98561

If H < D then enter dimensionless parameters

A = 2.1

B = 0.3

$\ln(Rc/rw)$  #NUM!

If H = D then enter dimensionless parameter

C = 1.6

$\ln(Rc/rw)$  2.769209

K = #NUM! ft/min = #NUM! cm/s  
T = #NUM! ft<sup>2</sup>/min = #NUM! cm<sup>2</sup>/s

K = 5.12E-04 ft/min = 2.59E-04 cm/s  
T = 0.012146 ft<sup>2</sup>/min 0.1872 cm<sup>2</sup>/s

Monitoring Well: OW-8S  
 Date Test Performed: 10/20/95  
 Test performed By: MJS/TRS  
 Analysis Performed By: DPB  
 Checked By: MJS

| Test Data   |            |                    |                     |
|-------------|------------|--------------------|---------------------|
| Time (sec.) | Time (min) | Water Level (feet) | Drawdown = y (feet) |
| 0           | 0.00       | 11.32              | 3.23                |
| 15          | 0.25       | 11.26              | 3.17                |
| 60          | 1.00       | 11.25              | 3.16                |
| 90          | 1.50       | 11.23              | 3.14                |
| 120         | 2.00       | 11.21              | 3.12                |
| 180         | 3.00       | 11.17              | 3.08                |
| 240         | 4.00       | 11.11              | 3.02                |
| 300         | 5.00       | 11.09              | 3.00                |
| 420         | 7.00       | 11.07              | 2.98                |
| 540         | 9.00       | 11.02              | 2.93                |
| 660         | 11.00      | 10.97              | 2.88                |
| 780         | 13.00      | 10.91              | 2.82                |
| 900         | 15.00      | 10.90              | 2.81                |
| 1200        | 20.00      | 10.80              | 2.71                |
| 1500        | 25.00      | 10.76              | 2.67                |
| 1800        | 30.00      | 10.68              | 2.59                |
| 2100        | 35.00      | 10.61              | 2.52                |
| 2400        | 40.00      | 10.46              | 2.37                |
| 4020        | 67.00      | 10.25              | 2.16                |
| 5220        | 87.00      | 10.07              | 1.98                |
| 7110        | 118.50     | 9.75               | 1.66                |
| 12390       | 206.50     | 9.31               | 1.22                |
| 18735       | 312.25     | 8.94               | 0.85                |

Static Water Level (ft.)= 8.09

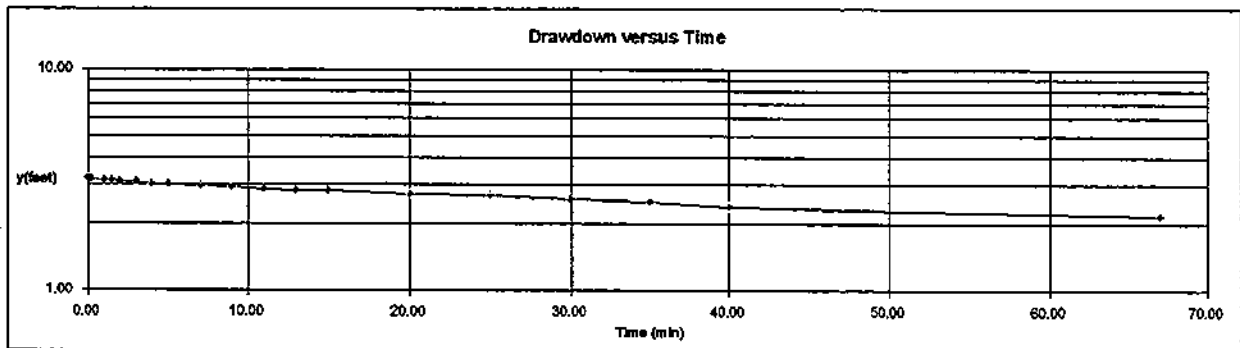
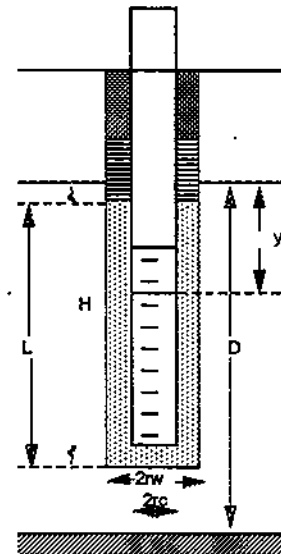
#### Well Configuration

L (ft) = 4.6  
 H (ft) = 23.91  
 D (ft) = 23.91  
 rw (ft) = 0.417  
 rc (ft) = 0.167

If water filling within filter then

reff (ft) = 0.417  
 porosity = 0.3

Use the appropriate radius for the calculation of "K"  
 r = 0.417



From the graph above, select slope

y1 (ft) = 2.93 t1 (min) = 4  
 y2 (ft) = 2.58 t2 (min) = 25  
 ln(y1/y2)/(t2-t1) = 0.006057763

If H < D then enter dimensionless parameters

A = 1.8  
 B = 0.25  
 ln (Re/rw) #NUM!

K = #NUM! ft/min = #NUM! cm/s  
 T = #NUM! ft<sup>2</sup>/min = #NUM! cm<sup>2</sup>/s

Note:

To obtain dimensionless parameters A, B and C refer to  
 Bouwer and Rice June 1976 for graphical relation with L / rw  
 L / rw = 11.03118

If H = D then enter dimensionless parameter

C = 1.3

ln (Re/rw) 2.567248

K = 2.94E-04 ft/min = 1.49E-04 cm/s  
 T = 0.007028 ft<sup>2</sup>/min 0.108324 cm<sup>2</sup>/s



Monitoring Well: OW-9S  
 Date Test Performed: 10/20/95  
 Test performed By: MJS/TRS  
 Analysis Performed By: DPB  
 Checked By: MJS

| Test Data   |            |                    |                     |
|-------------|------------|--------------------|---------------------|
| Time (sec.) | Time (min) | Water Level (feet) | Drawdown = y (feet) |
| 0           | 0.00       | 3.87               | 1.07                |
| 15          | 0.25       | 3.77               | 0.97                |
| 30          | 0.50       | 3.67               | 0.87                |
| 45          | 0.75       | 3.57               | 0.77                |
| 60          | 1.00       | 3.52               | 0.72                |
| 90          | 1.50       | 3.37               | 0.57                |
| 120         | 2.00       | 3.26               | 0.46                |
| 150         | 2.50       | 3.15               | 0.35                |
| 210         | 3.50       | 3.04               | 0.24                |
| 300         | 5.00       | 2.92               | 0.12                |
| 420         | 7.00       | 2.84               | 0.04                |

Static Water Level (ft.) = 2.8

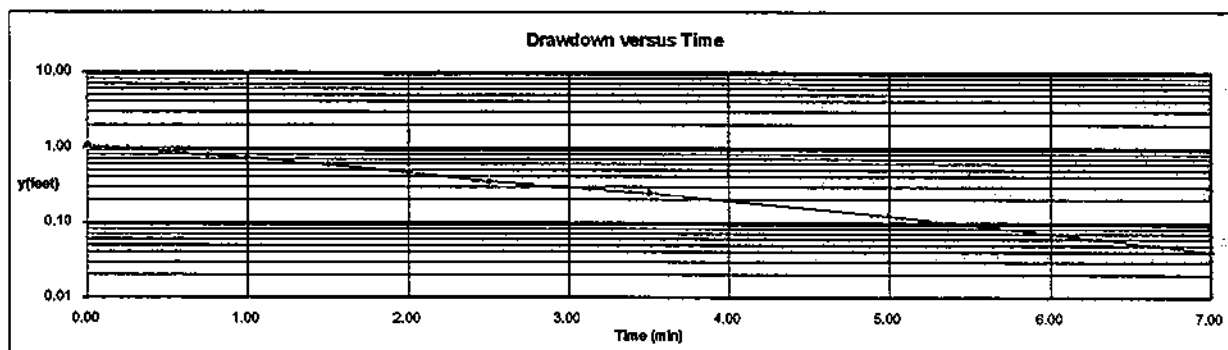
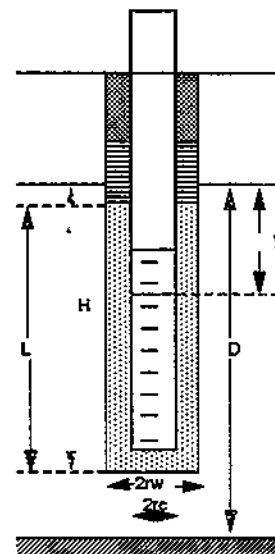
#### Well Configuration

L (ft) = 6.7  
 H (ft) = 21.4  
 D (ft) = 21.4  
 rw (ft) = 0.25  
 rc (ft) = 0.083

If water filling within filter then

reff (ft) = 0.25  
 porosity = 0.3

Use the appropriate radius for the calculation of "K"  
 r = 0.25



From the graph above, select slope

y1 (ft) = 0.72 t1 (min) = 1  
 y2 (ft) = 0.35 t2 (min) = 2.5  
 ln(y1/y2)/(t2-t1) = 0.480878705

If H < D then enter dimensionless parameters

A = 2.4  
 B = 0.4  
 ln (Re/rw) #NUM!

K = #NUM! ft/min = #NUM! cm/s  
 T = #NUM! ft^2/min = #NUM! cm^2/s

Note:

To obtain dimensionless parameters A, B and C refer to  
 Bouwer and Rice June 1976 for graphical relation with L / rw  
 L / rw = 26.8

If H = D then enter dimensionless parameter

C = 1.9

ln (Re/rw) 3.143626

K = 7.05E-03 ft/min = 3.57E-03 cm/s  
 T = 0.150888 ft^2/min = 2.32561 cm^2/s

Monitoring Well: OW-10S  
 Date Test Performed: 10/20/95  
 Test performed By: MJS/TRS  
 Analysis Performed By: DPB  
 Checked By: MJS

| Test Data   |            |                    |                     |
|-------------|------------|--------------------|---------------------|
| Time (sec.) | Time (min) | Water Level (feet) | Drawdown = y (feet) |
| 0           | 0.00       | 10.78              | 0.62                |
| 15          | 0.25       | 10.62              | 0.46                |
| 30          | 0.50       | 10.60              | 0.44                |
| 45          | 0.75       | 10.58              | 0.42                |
| 60          | 1.00       | 10.56              | 0.40                |
| 90          | 1.50       | 10.56              | 0.40                |
| 120         | 2.00       | 10.51              | 0.35                |
| 150         | 2.50       | 10.48              | 0.30                |
| 180         | 3.00       | 10.41              | 0.25                |
| 240         | 4.00       | 10.33              | 0.17                |
| 300         | 5.00       | 10.26              | 0.10                |

Static Water Level (ft.) = 10.16

#### Well Configuration

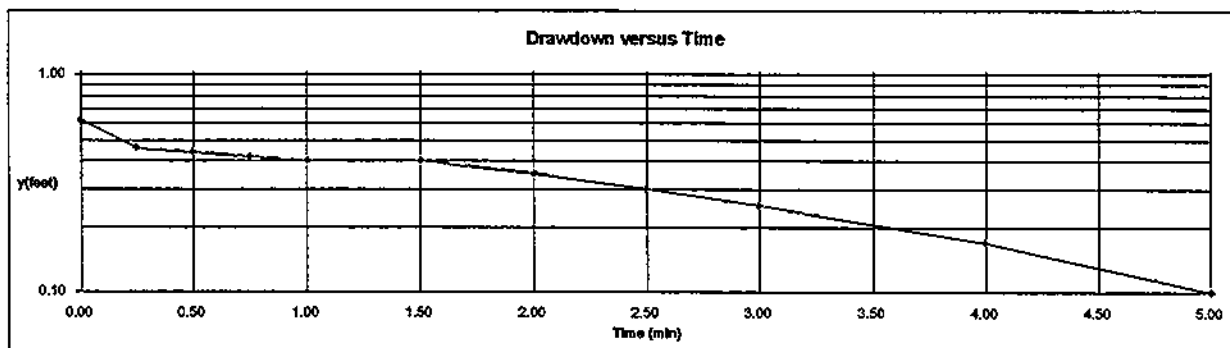
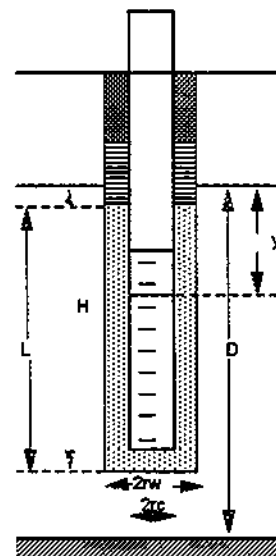
L (ft) = 7  
 H (ft) = 6.24  
 D (ft) = 6.24  
 rw (ft) = 0.25  
 rc (ft) = 0.083

If water filling within filter then

reff (ft) = 0.25  
 porosity = 0.3

Use the appropriate radius for the calculation of "K"

r = 0.25



From the graph above, select slope

y1 (ft) = 0.46 t1 (min) = 0.25  
 y2 (ft) = 0.4 t2 (min) = 1  
 ln(y1/y2)/(t2-t1) = 0.186349257

If H < D then enter dimensionless parameters

A = 2.4  
 B = 0.4  
 ln (Re/rw) #NUM!

K = #NUM! ft/min = #NUM! cm/s  
 T = #NUM! ft^2/min = #NUM! cm^2/s

Note:

To obtain dimensionless parameters A, B and C refer to Bouwer and Rice June 1976 for graphical relation with L / rw  
 L / rw = 28

If H = D then enter dimensionless parameter

C = 1.9

ln (Re/rw) 2.440444

K = 2.03E-03 ft/min = 1.03E-03 cm/s  
 T = 0.012669 ft^2/min 0.195261 cm^2/s

Monitoring Well: OW-11S  
Date Test Performed: 10/20/95  
Test performed By: MJS/TRS  
Analysis Performed By: DPB  
Checked By: MJS

| Test Data   |            |                    |                     |
|-------------|------------|--------------------|---------------------|
| Time (sec.) | Time (min) | Water Level (feet) | Drawdown = y (feet) |
| 0           | 0.00       | 8.55               | 0.72                |
| 15          | 0.25       | 8.45               | 0.62                |
| 30          | 0.50       | 8.36               | 0.53                |
| 45          | 0.75       | 8.26               | 0.43                |
| 60          | 1.00       | 8.21               | 0.38                |
| 90          | 1.50       | 8.05               | 0.22                |
| 120         | 2.00       | 7.98               | 0.15                |
| 150         | 2.50       | 7.92               | 0.09                |
| 180         | 3.00       | 7.88               | 0.05                |
| 240         | 4.00       | 7.84               | 0.01                |

Static Water Level (ft.) = 7.83

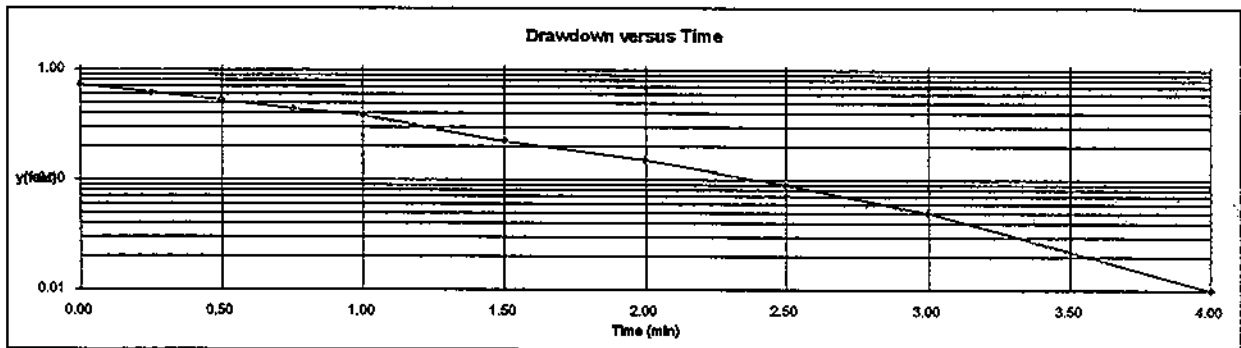
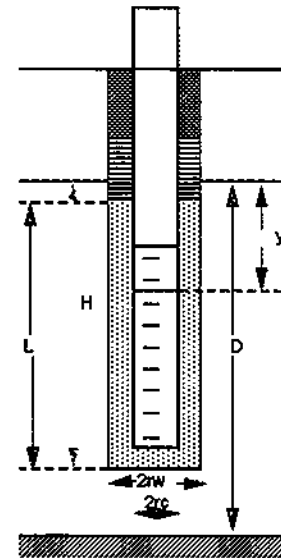
#### Well Configuration

L (ft) = 6.5  
H (ft) = 6.27  
D (ft) = 6.27  
rw (ft) = 0.25  
rc (ft) = 0.083

If water filling within filter then

reff (ft) = 0.25  
porosity = 0.3

Use the appropriate radius for the calculation of "K"  
r = 0.25



From the graph above, select slope

y1 (ft) = 0.62 t1 (min) = 0.25  
y2 (ft) = 0.38 t2 (min) = 1  
 $\ln(y1/y2)/(t2-t1) = 0.652730967$

If H < D then enter dimensionless parameters

A = 2.4  
B = 0.4  
ln (Re/rw) #NUM!

K = #NUM! ft/min = #NUM! cm/s  
T = #NUM! ft<sup>2</sup>/min = #NUM! cm<sup>2</sup>/s

Note:

To obtain dimensionless parameters A, B and C refer to Bouwer and Rice June 1976 for graphical relation with L / rw  
L / rw = 26

If H = D then enter dimensionless parameter

C = 1.9

ln (Re/rw) 2.412707

K = 7.57E-03 ft/min = 3.84E-03 cm/s  
T = 0.047473 ft<sup>2</sup>/min 0.731686 cm<sup>2</sup>/s

Monitoring Well: OW-LS  
 Date Test Performed: 10/27/95  
 Test performed By: MJS/TRS  
 Analysis Performed By: DPB  
 Checked By: MJS

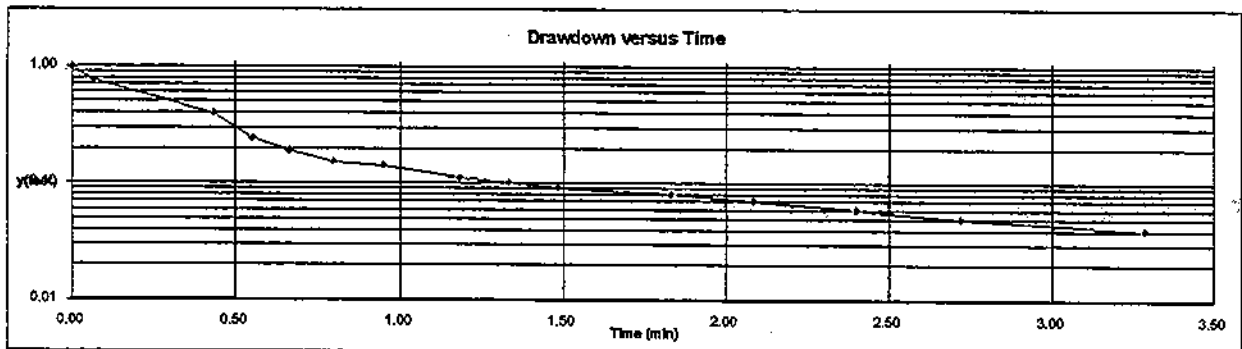
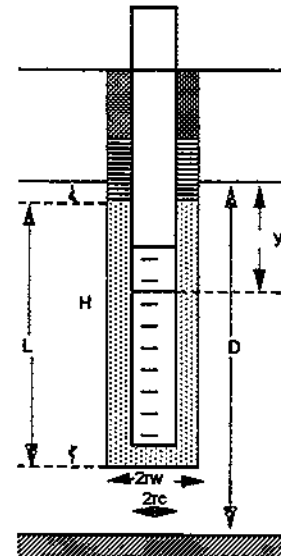
| Test Data   |            |                    |                     |
|-------------|------------|--------------------|---------------------|
| Time (sec.) | Time (min) | Water Level (feet) | Drawdown = y (feet) |
| 0           | 0.00       | 6.59               | 0.98                |
| 4           | 0.07       | 6.36               | 0.75                |
| 26          | 0.43       | 6.00               | 0.39                |
| 33          | 0.55       | 5.85               | 0.24                |
| 40          | 0.67       | 5.80               | 0.19                |
| 48          | 0.80       | 5.76               | 0.15                |
| 57          | 0.95       | 5.75               | 0.14                |
| 71          | 1.18       | 5.72               | 0.11                |
| 80          | 1.33       | 5.71               | 0.10                |
| 89          | 1.48       | 5.70               | 0.09                |
| 110         | 1.83       | 5.69               | 0.08                |
| 125         | 2.08       | 5.68               | 0.07                |
| 144         | 2.40       | 5.67               | 0.06                |
| 163         | 2.72       | 5.66               | 0.05                |
| 197         | 3.28       | 5.65               | 0.04                |

Static Water Level (ft.) = 5.61

#### Well Configuration

L (ft) = 11  
 H (ft) = 6.09  
 D (ft) = 12.49  
 rw (ft) = 0.25  
 rc (ft) = 0.083

If water filling within filter then  
 reff (ft) = 0.25  
 porosity = 0.3  
 Use the appropriate radius for the calculation of "K"  
 r = 0.25



From the graph above, select slope

y1 (ft) = 0.39 t1 (min) = 0.43  
 y2 (ft) = 0.15 t2 (min) = 0.8  
 $\ln(y1/y2)/(t2-t1) = 2.582453365$

If H < D then enter dimensionless parameters

A = 2.8  
 B = 0.45  
 $\ln(Rc/rw) = 2.265985699$

K =  $1.68E-02$  ft/min =  $8.43E-03$  cm/s  
 T =  $0.207640042$  ft<sup>2</sup>/min =  $3.200315$  cm<sup>2</sup>/s

Note:

To obtain dimensionless parameters A, B and C refer to Bouwer and Rice June 1976 for graphical relation with L / rw  
 L / rw = 44

If H = D then enter dimensionless parameter

C = 2.4

$\ln(Rc/rw) = 2.505919$

K =  $1.84E-02$  ft/min =  $9.32E-03$  cm/s  
 T =  $0.229626$  ft<sup>2</sup>/min =  $3.539179$  cm<sup>2</sup>/s

Monitoring Well: B-101-OW  
Date Test Performed: 10/27/96  
Test performed By: MJS/TRS  
Analysis Performed By: DPB  
Checked By: MJS

| Test Data   |            |                    |                     |
|-------------|------------|--------------------|---------------------|
| Time (sec.) | Time (min) | Water Level (feet) | Drawdown = y (feet) |
| 0           | 0.00       | 5.27               | 0.29                |
| 15          | 0.25       | 5.17               | 0.19                |
| 30          | 0.50       | 5.15               | 0.17                |
| 45          | 0.75       | 5.13               | 0.15                |
| 60          | 1.00       | 5.11               | 0.13                |
| 90          | 1.50       | 5.10               | 0.12                |
| 120         | 2.00       | 5.10               | 0.12                |
| 165         | 2.75       | 5.08               | 0.10                |
| 285         | 4.75       | 5.04               | 0.06                |
| 405         | 6.75       | 5.02               | 0.04                |
| 705         | 11.75      | 4.99               | 0.01                |

Static Water Level (ft.)= 4.98

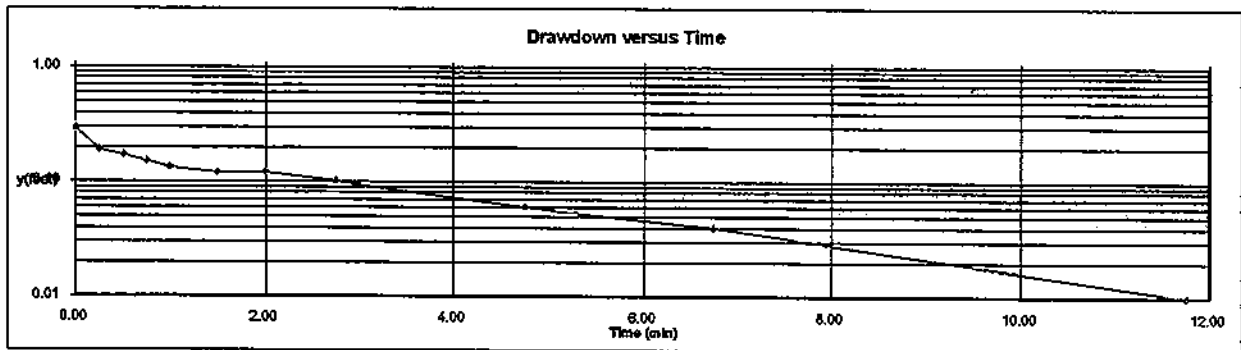
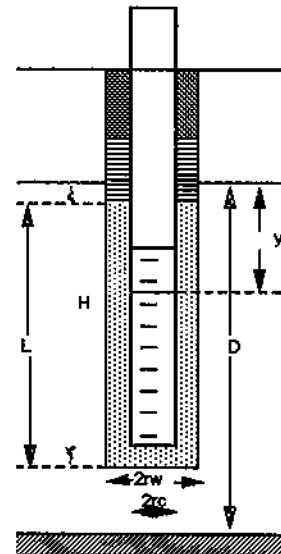
#### Well Configuration

L (ft) = 12  
H (ft) = 9.52  
D (ft) = 9.92  
rw (ft) = 0.3333  
rc (ft) = 0.083

If water filling within filter then

reff (ft) = 0.33  
porosity = 0.3

Use the appropriate radius for the calculation of "K"  
r = 0.33



From the graph above, select slope

y1 (ft) = 0.19 t1 (min) = 0.25  
y2 (ft) = 0.13 t2 (min) = 1  
ln(y1/y2)/(t2-t1) = 0.505986162

If H < D then enter dimensionless parameters

A = 2.6  
B = 0.4  
ln (Re/rw) 2.48512957

K = 5.71E-03 ft/min = 2.89E-03 cm/s  
T = 0.056599942 ft²/min = 0.872364 cm²/s

Note:

To obtain dimensionless parameters A, B and C refer to  
Bouwer and Rice June 1976 for graphical relation with L / rw  
L / rw = 36.0036

If H = D then enter dimensionless parameter

C = 2.2

ln (Re/rw) 2.568998

K = 5.90E-03 ft/min = 2.99E-03 cm/s  
T = 0.05851 ft²/min = 0.901804 cm²/s

Monitoring Well: MW-2  
 Date Test Performed: 10/26/95  
 Test performed By: MJS/TRS  
 Analysis Performed By: DPB  
 Checked By: MJS

| Test Data   |            |                    |                     |
|-------------|------------|--------------------|---------------------|
| Time (sec.) | Time (min) | Water Level (feet) | Drawdown = y (feet) |
| 0           | 0.00       | 12.59              | 0.93                |
| 15          | 0.25       | 12.48              | 0.82                |
| 30          | 0.50       | 12.36              | 0.70                |
| 45          | 0.75       | 12.28              | 0.62                |
| 60          | 1.00       | 12.19              | 0.53                |
| 75          | 1.25       | 12.14              | 0.48                |
| 90          | 1.50       | 12.08              | 0.42                |
| 105         | 1.75       | 12.04              | 0.38                |
| 120         | 2.00       | 12.00              | 0.34                |
| 150         | 2.50       | 11.93              | 0.27                |
| 180         | 3.00       | 11.89              | 0.23                |
| 210         | 3.50       | 11.85              | 0.19                |
| 240         | 4.00       | 11.82              | 0.16                |
| 300         | 5.00       | 11.77              | 0.11                |
| 360         | 6.00       | 11.74              | 0.08                |
| 420         | 7.00       | 11.72              | 0.06                |

Static Water Level (ft.) = 11.66

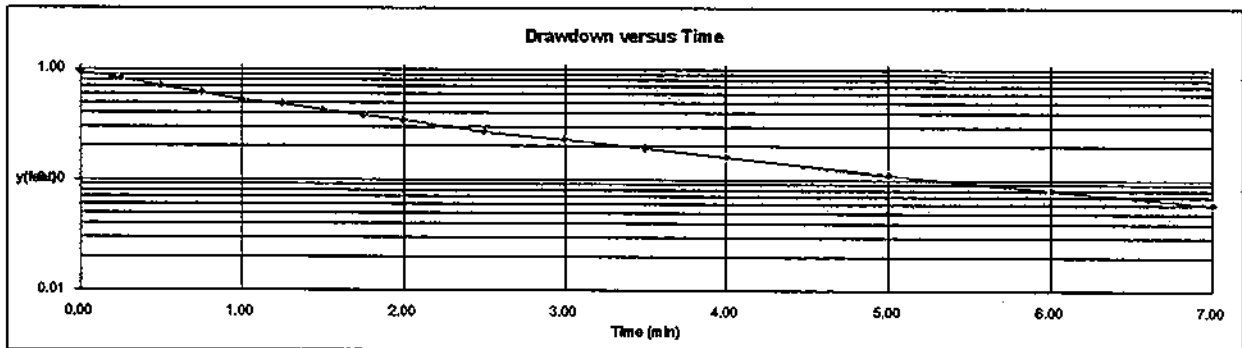
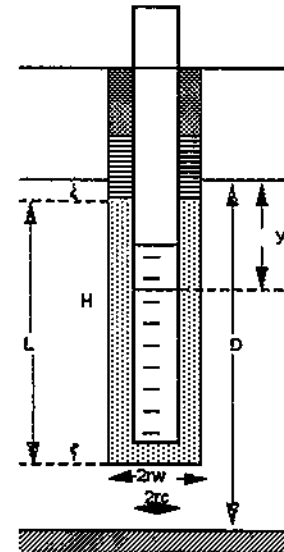
#### Well Configuration

L (ft) = 11  
 H (ft) = 13.34  
 D (ft) = 15.64  
 rw (ft) = 0.417  
 rc (ft) = 0.083

If water filling within filter then

reff (ft) = 0.42  
 porosity = 0.3

Use the appropriate radius for the calculation of "K"  
 r = 0.42



From the graph above, select slope

y1 (ft) = 0.62 t1 (min) = 0.75  
 y2 (ft) = 0.34 t2 (min) = 2  
 ln(y1/y2)/(t2-t1) = 0.480619088

If H < D then enter dimensionless parameters

A = 2.3  
 B = 0.4  
 ln(Rc/rw) = 2.322856786

K = 8.82E-03 ft/min = 4.47E-03 cm/s  
 T = 0.138009705 ft<sup>2</sup>/min = 2.127116 cm<sup>2</sup>/s

Note:

To obtain dimensionless parameters A, B and C refer to  
 Bouwer and Rice June 1976 for graphical relation with L / rw  
 L / rw = 26.3789

If H = D then enter dimensionless parameter

C = 2

ln(Rc/rw) = 2.542986

K = 9.66E-03 ft/min = 4.90E-03 cm/s  
 T = 0.151088 ft<sup>2</sup>/min = 2.328695 cm<sup>2</sup>/s

Monitoring Well: MW-3  
Date Test Performed: 10/26/95  
Test performed By: MJS/TRS  
Analysis Performed By: DPB  
Checked By: MJS

| Test Data   |            |                    |                     |
|-------------|------------|--------------------|---------------------|
| Time (sec.) | Time (min) | Water Level (feet) | Drawdown = y (feet) |
| 0           | 0.00       | 3.82               | 0.87                |
| 15          | 0.25       | 3.79               | 0.84                |
| 30          | 0.50       | 3.77               | 0.82                |
| 45          | 0.75       | 3.75               | 0.80                |
| 60          | 1.00       | 3.73               | 0.78                |
| 75          | 1.25       | 3.72               | 0.77                |
| 90          | 1.50       | 3.70               | 0.75                |
| 105         | 1.75       | 3.68               | 0.73                |
| 120         | 2.00       | 3.67               | 0.72                |
| 150         | 2.50       | 3.65               | 0.70                |
| 180         | 3.00       | 3.62               | 0.67                |
| 210         | 3.50       | 3.60               | 0.65                |
| 240         | 4.00       | 3.58               | 0.63                |
| 300         | 5.00       | 3.54               | 0.59                |
| 360         | 6.00       | 3.51               | 0.56                |
| 420         | 7.00       | 3.49               | 0.54                |
| 480         | 8.00       | 3.46               | 0.51                |
| 600         | 10.00      | 3.41               | 0.46                |
| 720         | 12.00      | 3.36               | 0.41                |
| 1020        | 17.00      | 3.28               | 0.33                |
| 1320        | 22.00      | 3.20               | 0.25                |
| 1800        | 30.00      | 3.12               | 0.17                |
| 2100        | 35.00      | 3.10               | 0.15                |

Static Water Level (ft.)= 2.95

#### Well Configuration

L (ft) = 8.6  
H (ft) = 12.05  
D (ft) = 12.05  
rw (ft) = 0.417  
rc (ft) = 0.083

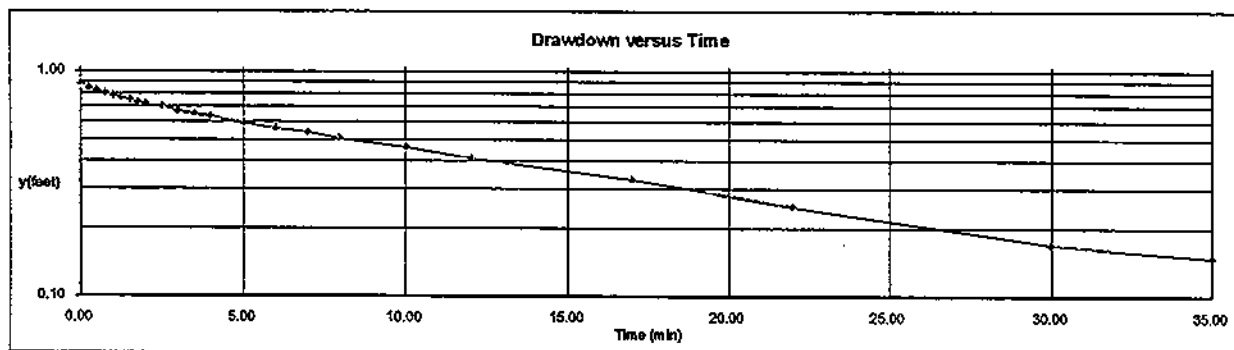
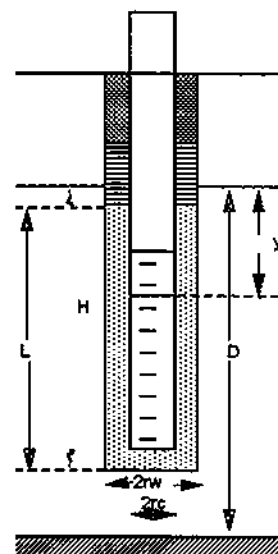
If water filling within filter then

reff (ft) = 0.42

porosity = 0.3

r = 0.42

Use the appropriate radius for the calculation of "K"



From the graph above, select slope

y1 (ft) = 0.8 t1 (min) = 0.75

y2 (ft) = 0.56 t2 (min) = 6

$\ln(y1/y2)/(t2-t1) = 0.067938085$

Note:

To obtain dimensionless parameters A, B and C refer to  
Souwer and Rice June 1976 for graphical relation with L / rw  
L / rw = 20.6235

If H < D then enter dimensionless parameters

A = 2.2

B = 0.6

$\ln(Rr/rw)$  #NUM!

If H = D then enter dimensionless parameter

C = 1.7

$\ln(Rr/rw)$  2.442314

K = #NUM! ft/min = #NUM! cm/s  
T = #NUM! ft<sup>2</sup>/min = #NUM! cm<sup>2</sup>/s

K = 1.68E-03 ft/min = 8.50E-04 cm/s  
T = 0.020214 ft<sup>2</sup>/min = 0.31155 cm<sup>2</sup>/s

Monitoring Well: MW-5  
 Date Test Performed: 10/26/95  
 Test performed By: MJS/TRS  
 Analysis Performed By: DPB  
 Checked By: MJS

| Test Data   |            |                    |                     |
|-------------|------------|--------------------|---------------------|
| Time (sec.) | Time (min) | Water Level (feet) | Drawdown = y (feet) |
| 5           | 0.08       | 14.26              | 1.77                |
| 15          | 0.25       | 14.21              | 1.72                |
| 30          | 0.50       | 14.19              | 1.70                |
| 45          | 0.75       | 14.15              | 1.66                |
| 60          | 1.00       | 14.13              | 1.64                |
| 90          | 1.50       | 14.09              | 1.60                |
| 120         | 2.00       | 14.05              | 1.56                |
| 150         | 2.50       | 14.02              | 1.53                |
| 180         | 3.00       | 13.99              | 1.50                |
| 240         | 4.00       | 13.91              | 1.42                |
| 300         | 5.00       | 13.85              | 1.36                |
| 420         | 7.00       | 13.74              | 1.25                |
| 540         | 9.00       | 13.66              | 1.17                |
| 840         | 14.00      | 13.43              | 0.94                |
| 1140        | 19.00      | 13.26              | 0.77                |
| 1950        | 32.50      | 12.94              | 0.45                |
| 2850        | 47.50      | 12.68              | 0.19                |

Static Water Level (ft.) = 12.49

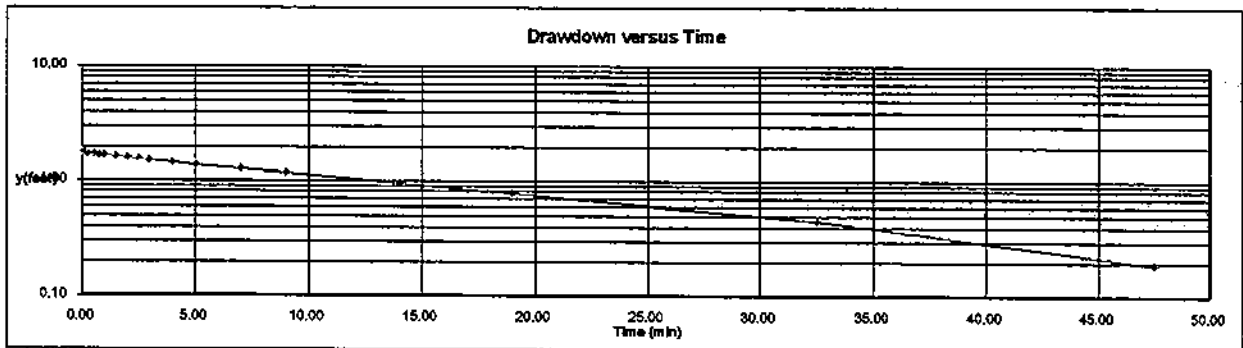
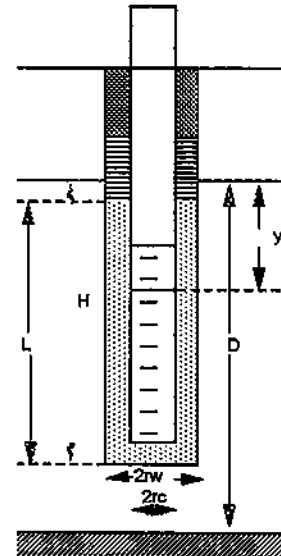
#### Well Configuration

L (ft) = 12  
 H (ft) = 6.51  
 D (ft) = 16.81  
 rw (ft) = 0.417  
 rc (ft) = 0.083

If water filling within filter then

reff (ft) = 0.42  
 porosity = 0.3

Use the appropriate radius for the calculation of "K"  
 r = 0.42



From the graph above, select slope

y1 (ft) = 1.66 t1 (min) = 0.75  
 y2 (ft) = 1.25 t2 (min) = 7  
 $\ln(y1/y2)/(t2-t1) = 0.045387848$

If H < D then enter dimensionless parameters

A = 2.3  
 B = 0.4  
 $\ln(Rc/rw) = 1.905525637$

K =  $6.27E-04$  ft/min =  $3.18E-04$  cm/s  
 T =  $0.010533749$  ft<sup>2</sup>/min =  $0.162355$  cm<sup>2</sup>/s

Note:

To obtain dimensionless parameters A, B and C refer to  
 Bouwer and Rice June 1976 for graphical relation with L / rw  
 L / rw = 28.77698

If H = D then enter dimensionless parameter

C = 2  
 $\ln(Rc/rw) = 2.128611$

K =  $7.00E-04$  ft/min =  $3.55E-04$  cm/s  
 T =  $0.011767$  ft<sup>2</sup>/min =  $0.181362$  cm<sup>2</sup>/s



Monitoring Well: OW-1R  
Date Test Performed: 12/7/94  
Test performed By:  
Analysis Performed By: DPB  
Checked By: MJS

| Test Data   |            |                    |                     |
|-------------|------------|--------------------|---------------------|
| Time (sec.) | Time (min) | Water Level (feet) | Drawdown = y (feet) |
| 330         | 5.50       | 16.40              | 4.00                |
| 390         | 6.50       | 16.06              | 3.66                |
| 420         | 7.00       | 16.15              | 3.75                |
| 480         | 8.00       | 16.04              | 3.64                |
| 540         | 9.00       | 15.92              | 3.52                |
| 600         | 10.00      | 15.81              | 3.41                |
| 720         | 12.00      | 15.58              | 3.18                |
| 840         | 14.00      | 15.41              | 3.01                |
| 960         | 16.00      | 15.22              | 2.82                |
| 1080        | 18.00      | 15.06              | 2.66                |
| 1200        | 20.00      | 14.90              | 2.50                |
| 1320        | 22.00      | 14.75              | 2.35                |
| 1440        | 24.00      | 14.63              | 2.23                |
| 1560        | 26.00      | 14.54              | 2.14                |
| 1860        | 31.00      | 14.24              | 1.84                |
| 2160        | 36.00      | 14.02              | 1.62                |
| 2460        | 41.00      | 13.82              | 1.42                |
| 2760        | 46.00      | 13.60              | 1.20                |
| 3060        | 51.00      | 13.49              | 1.09                |
| 3360        | 56.00      | 13.35              | 0.95                |
| 3660        | 61.00      | 13.23              | 0.83                |
| 3960        | 66.00      | 13.13              | 0.73                |
| 4260        | 71.00      | 13.02              | 0.62                |
| 4560        | 76.00      | 12.95              | 0.55                |
| 4860        | 81.00      | 12.87              | 0.47                |
| 5160        | 86.00      | 12.80              | 0.40                |
| 5460        | 91.00      | 12.75              | 0.35                |
| 5760        | 96.00      | 12.70              | 0.30                |
| 6060        | 101.00     | 12.65              | 0.25                |
| 6360        | 106.00     | 12.63              | 0.23                |

Static Water Level (ft.) = 12.4

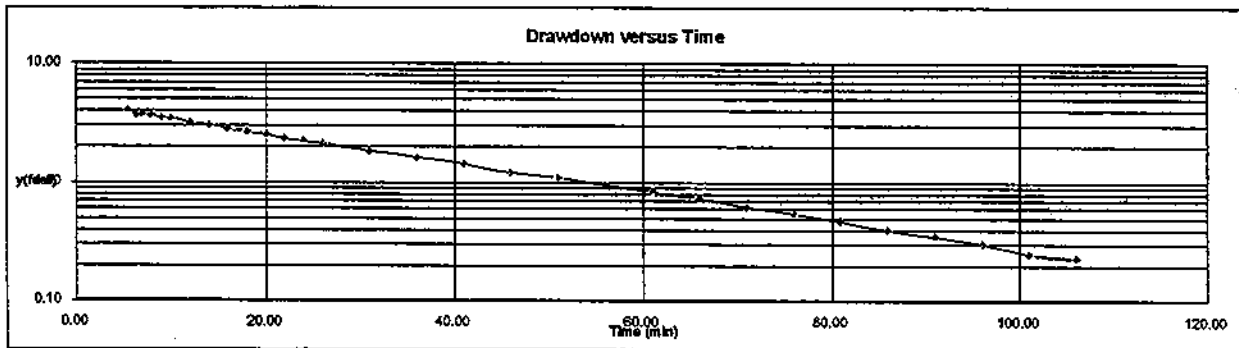
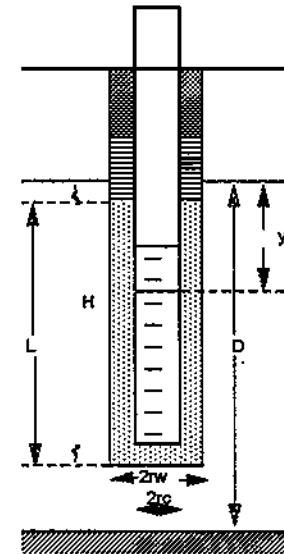
#### Well Configuration

L (ft) = 8.5  
H (ft) = 31.55  
D (ft) = 100  
rw (ft) = 0.417  
rc (ft) = 0.167

If water filling within filter then

reff (ft) = 0.42  
porosity = 0.3

Use the appropriate radius for the calculation of "K"  
r = 0.42



From the graph above, select slope

y1 (ft) = 3.41 t1 (min) = 10  
y2 (ft) = 1.2 t2 (min) = 46  
ln(y1/y2)/(t2-t1) = 0.029010854

If H < D then enter dimensionless parameters

A = 2.8  
B = 0.6  
ln(Rc/rw) = 1.845802902

K = 5.48E-04 ft/min = 2.78E-04 cm/s  
T = 0.054773315 ft²/min = 0.84421 cm²/s

Note:

To obtain dimensionless parameters A, B and C refer to  
Bower and Rice June 1976 for graphical relation with L / rw  
L / rw = 20.38369

If H = D then enter dimensionless parameter

C = 2.1  
ln(Rc/rw) = 2.79888

K = 8.31E-04 ft/min = 4.21E-04 cm/s  
T = 0.083055 ft²/min = 1.280117 cm²/s

Monitoring Well: OW-2R  
 Date Test Performed: 10/26/95  
 Test performed By: MJS/TRS  
 Analysis Performed By: DPB  
 Checked By: MJS

| Test Data   |            |                    |                     |
|-------------|------------|--------------------|---------------------|
| Time (sec.) | Time (min) | Water Level (feet) | Drawdown = y (feet) |
| 0           | 0.00       | 18.91              | 2.81                |
| 15          | 0.25       | 18.70              | 2.60                |
| 30          | 0.50       | 18.45              | 2.35                |
| 45          | 0.75       | 18.24              | 2.14                |
| 60          | 1.00       | 18.04              | 1.94                |
| 75          | 1.25       | 17.85              | 1.75                |
| 90          | 1.50       | 17.67              | 1.57                |
| 105         | 1.75       | 17.54              | 1.44                |
| 120         | 2.00       | 17.31              | 1.21                |
| 135         | 2.25       | 17.15              | 1.05                |
| 150         | 2.50       | 17.07              | 0.97                |
| 165         | 2.75       | 16.99              | 0.89                |
| 180         | 3.00       | 16.90              | 0.80                |
| 214         | 3.57       | 16.73              | 0.63                |
| 240         | 4.00       | 16.60              | 0.50                |
| 270         | 4.50       | 16.51              | 0.41                |
| 300         | 5.00       | 16.43              | 0.33                |
| 330         | 5.50       | 16.37              | 0.27                |
| 360         | 6.00       | 16.32              | 0.22                |
| 420         | 7.00       | 16.25              | 0.15                |
| 480         | 8.00       | 16.19              | 0.09                |

Static Water Level (ft.) = 16.1

#### Well Configuration

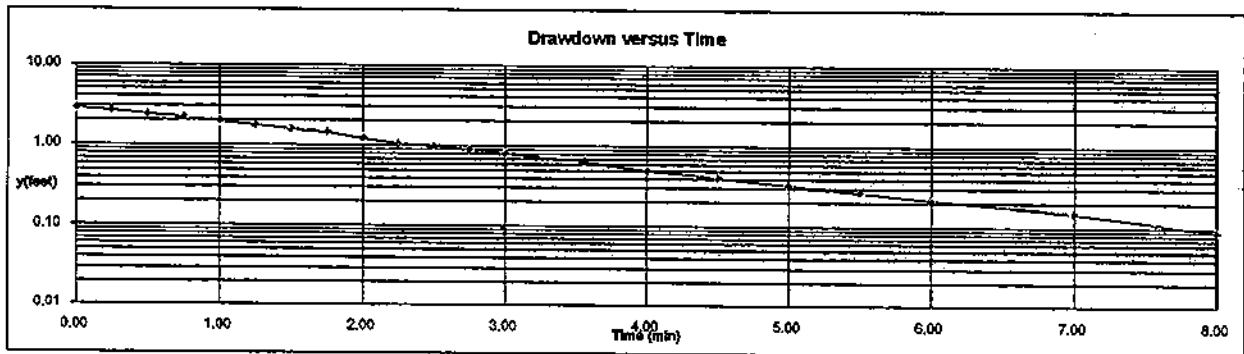
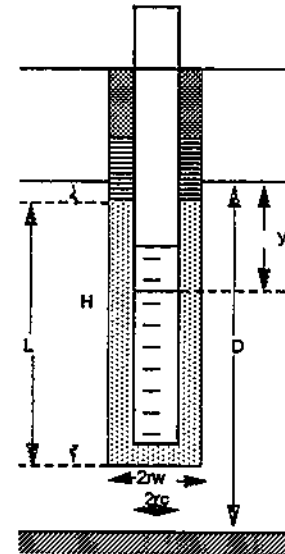
L (ft) = 8  
 H (ft) = 30.29  
 D (ft) = 100  
 rw (ft) = 0.417  
 rc (ft) = 0.167

If water filling within filter then

reff (ft) = 0.42  
 porosity = 0.3

Use the appropriate radius for the calculation of "K"

r = 0.42



From the graph above, select slope

y1 (ft) = 2.6 t1 (min) = 0.25  
 y2 (ft) = 0.8 t2 (min) = 3  
 $\ln(y1/y2)/(t2-t1) = 0.428601817$

If H < D then enter dimensionless parameters

A = 2.8  
 B = 0.6  
 $\ln(R/rw) = 1.777059294$

K =  $8.28E-03$  ft/min =  $4.20E-03$  cm/s  
 T =  $0.827766895$  ft<sup>2</sup>/min =  $12.75821$  cm<sup>2</sup>/s

Note:

To obtain dimensionless parameters A, B and C refer to Bouwer and Rice June 1976 for graphical relation with L / rw  
 $L / rw = 19.18465$

If H = D then enter dimensionless parameter

C = 2.1

$\ln(R/rw) = 2.731175$

K =  $1.27E-02$  ft/min =  $6.45E-03$  cm/s  
 T =  $1.272201$  ft<sup>2</sup>/min =  $19.60818$  cm<sup>2</sup>/s

Monitoring Well: OW-3R  
Date Test Performed:  
Test performed By:  
Analysis Performed By: DPB  
Checked By: MJS

| Test Data   |            |                    |                     |
|-------------|------------|--------------------|---------------------|
| Time (sec.) | Time (min) | Water Level (feet) | Drawdown = y (feet) |
| 0           | 0.00       | 10.80              | 2.41                |
| 30          | 0.50       | 10.54              | 2.15                |
| 60          | 1.00       | 10.34              | 1.95                |
| 90          | 1.50       | 10.18              | 1.79                |
| 120         | 2.00       | 10.04              | 1.65                |
| 150         | 2.50       | 9.93               | 1.54                |
| 180         | 3.00       | 9.82               | 1.43                |
| 210         | 3.50       | 9.74               | 1.35                |
| 270         | 4.50       | 9.58               | 1.19                |
| 330         | 5.50       | 9.45               | 1.06                |
| 390         | 6.50       | 9.34               | 0.95                |
| 450         | 7.50       | 9.24               | 0.85                |
| 510         | 8.50       | 9.16               | 0.77                |
| 570         | 9.50       | 9.09               | 0.70                |
| 630         | 10.50      | 9.03               | 0.64                |
| 690         | 11.50      | 8.98               | 0.59                |
| 750         | 12.50      | 8.93               | 0.54                |
| 810         | 13.50      | 8.88               | 0.49                |
| 870         | 14.50      | 8.84               | 0.45                |
| 990         | 16.50      | 8.78               | 0.39                |
| 1110        | 18.50      | 8.72               | 0.33                |
| 1230        | 20.50      | 8.68               | 0.29                |
| 1350        | 22.50      | 8.64               | 0.25                |
| 1470        | 24.50      | 8.61               | 0.22                |
| 1590        | 26.50      | 8.58               | 0.19                |
| 1710        | 28.50      | 8.56               | 0.17                |
| 1890        | 31.50      | 8.53               | 0.14                |
| 2070        | 34.50      | 8.51               | 0.12                |

Static Water Level (ft.) = 8.39

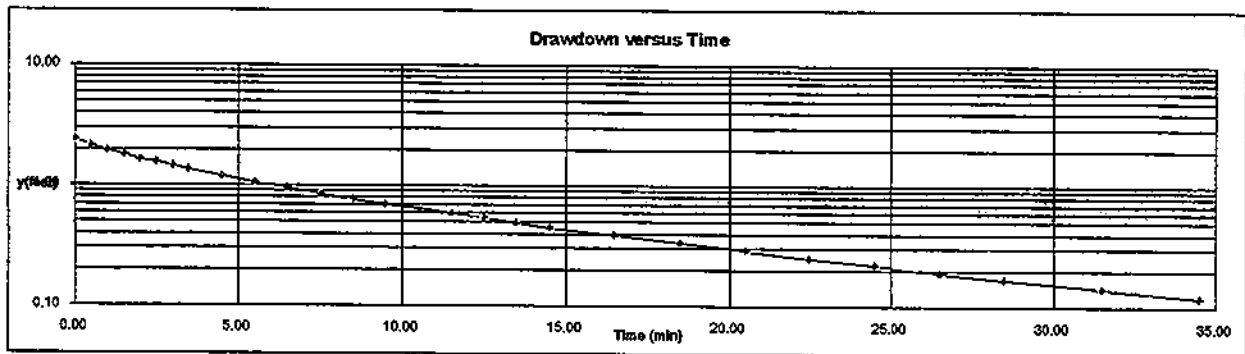
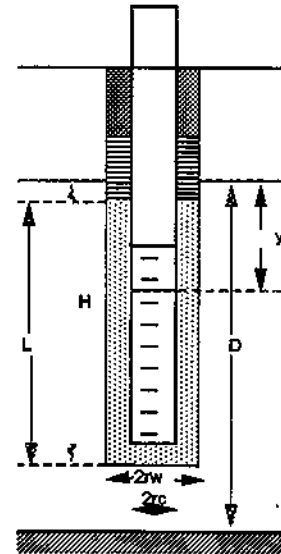
#### Well Configuration

L (ft) = 8  
H (ft) = 38.15  
D (ft) = 100  
rw (ft) = 0.417  
rc (ft) = 0.167

If water filling within filter then

reff (ft) = 0.42  
porosity = 0.3

Use the appropriate radius for the calculation of "K"  
r = 0.42



From the graph above, select slope

y1 (ft) = 1.35 t1 (min) = 3.5  
y2 (ft) = 0.85 t2 (min) = 7.5  
 $\ln(y1/y2)/(t2-t1) = 0.11565588$

If H < D then enter dimensionless parameters

A = 2.8  
B = 0.6  
 $\ln(Rc/rw) = 1.831926173$

K =  $2.30E-03$  ft/min =  $1.17E-03$  cm/s  
T =  $0.230264938$  ft<sup>2</sup>/min =  $3.549028$  cm<sup>2</sup>/s

Note:

To obtain dimensionless parameters A, B and C refer to  
Bouwer and Rice June 1976 for graphical relation with L / rw  
L / rw = 19.18465

If H = D then enter dimensionless parameter

C = 2.1

$\ln(Rc/rw) = 2.832617$

K =  $3.56E-03$  ft/min =  $1.80E-03$  cm/s  
T =  $0.356047$  ft<sup>2</sup>/min =  $5.487687$  cm<sup>2</sup>/s

Monitoring Well: OW-4R  
Date Test Performed: 8/23/94  
Test performed By:  
Analysis Performed By: DPB  
Checked By: MJS

| Test Data   |            |                    |                     |
|-------------|------------|--------------------|---------------------|
| Time (sec.) | Time (min) | Water Level (feet) | Drawdown = y (feet) |
| 0           | 0.00       | 15.33              | 3.54                |
| 30          | 0.50       | 15.10              | 3.31                |
| 90          | 1.50       | 14.71              | 2.92                |
| 150         | 2.50       | 14.36              | 2.57                |
| 210         | 3.50       | 14.05              | 2.26                |
| 270         | 4.50       | 13.78              | 1.99                |
| 330         | 5.50       | 13.54              | 1.75                |
| 390         | 6.50       | 13.33              | 1.54                |
| 450         | 7.50       | 13.14              | 1.35                |
| 510         | 8.50       | 12.99              | 1.20                |
| 570         | 9.50       | 12.85              | 1.06                |
| 630         | 10.50      | 12.72              | 0.93                |
| 690         | 11.50      | 12.58              | 0.79                |
| 750         | 12.50      | 12.47              | 0.68                |
| 810         | 13.50      | 12.40              | 0.61                |
| 870         | 14.50      | 12.32              | 0.53                |
| 930         | 15.50      | 12.26              | 0.47                |
| 990         | 16.50      | 12.20              | 0.41                |
| 1110        | 18.50      | 12.11              | 0.32                |

Static Water Level (ft.)= 11.79

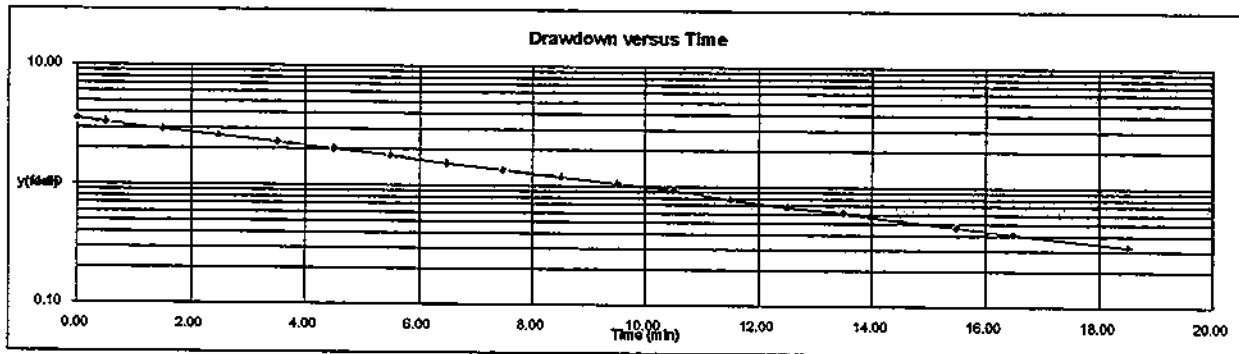
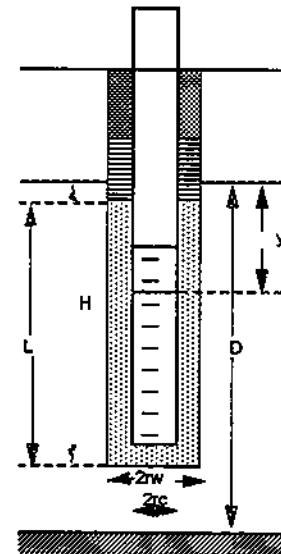
#### Well Configuration

L (ft) = 8.3  
H (ft) = 40.13  
D (ft) = 100  
rw (ft) = 0.417  
rc (ft) = 0.167

If water filling within filter then

reff (ft) = 0.42  
porosity = 0.3

Use the appropriate radius for the calculation of "K"  
r = 0.42



From the graph above, select slope

y1 (ft) = 2.92 t1 (min) = 1.5  
y2 (ft) = 1.35 t2 (min) = 7.5  
 $\ln(y1/y2)/(t2-t1) = 0.128579837$

If H < D then enter dimensionless parameters

A = 2.8  
B = 0.6  
 $\ln(Rc/rw) = 1.882291393$

K =  $2.54E-03$  ft/min =  $1.28E-03$  cm/s  
T =  $0.253526727$  ft<sup>2</sup>/min =  $3.907557$  cm<sup>2</sup>/s

Note:

To obtain dimensionless parameters A, B and C refer to  
Bouwer and Rice June 1976 for graphical relation with L / rw  
L / rw = 19.90408

If H = D then enter dimensionless parameter

C = 2.1

$\ln(Rc/rw) = 2.887042$

K =  $3.89E-03$  ft/min =  $1.97E-03$  cm/s  
T =  $0.388857$  ft<sup>2</sup>/min =  $5.993377$  cm<sup>2</sup>/s

Monitoring Well: OW-7R  
 Date Test Performed: 10/19/85  
 Test performed By: MJS/TRS  
 Analysis Performed By: DPB  
 Checked By: MJS

| Test Data   |            |                    |                     |
|-------------|------------|--------------------|---------------------|
| Time (sec.) | Time (min) | Water Level (feet) | Drawdown = y (feet) |
| 0           | 0.00       | 12.90              | 2.03                |
| 15          | 0.25       | 12.39              | 1.52                |
| 30          | 0.50       | 11.99              | 1.12                |
| 45          | 0.75       | 11.71              | 0.84                |
| 60          | 1.00       | 11.51              | 0.64                |
| 75          | 1.25       | 11.36              | 0.49                |
| 90          | 1.50       | 11.25              | 0.38                |
| 105         | 1.75       | 11.17              | 0.30                |
| 120         | 2.00       | 11.11              | 0.24                |
| 135         | 2.25       | 11.04              | 0.17                |
| 150         | 2.50       | 11.01              | 0.14                |
| 165         | 2.75       | 10.98              | 0.11                |
| 180         | 3.00       | 10.96              | 0.09                |
| 195         | 3.25       | 10.95              | 0.08                |
| 210         | 3.50       | 10.93              | 0.06                |
| 225         | 3.75       | 10.92              | 0.05                |
| 255         | 4.25       | 10.90              | 0.03                |
| 285         | 4.75       | 10.89              | 0.02                |
| 315         | 5.25       | 10.88              | 0.01                |

Static Water Level (ft.) = 10.87

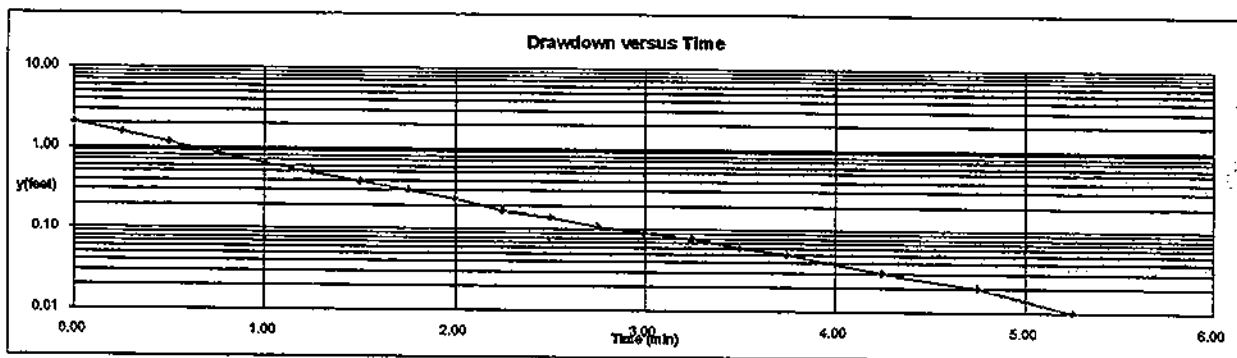
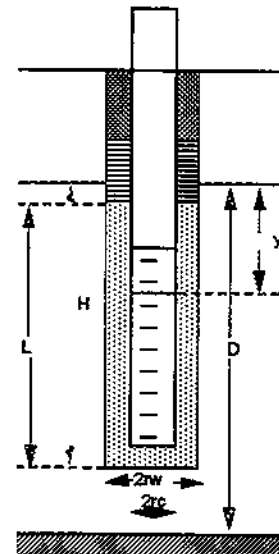
#### Well Configuration

L (ft) = 8  
 H (ft) = 35.78  
 D (ft) = 100  
 rw (ft) = 0.417  
 rc (ft) = 0.167

If water filling within filter then

reff (ft) = 0.42  
 porosity = 0.3

Use the appropriate radius for the calculation of "K"  
 r = 0.42



From the graph above, select slope

y1 (ft) = 1.52 t1 (min) = 0.25  
 y2 (ft) = 0.3 t2 (min) = 1.75  
 ln(y1/y2)/(t2-t1) = 1.081788759

If H < D then enter dimensionless parameters

A = 2.8  
 B = 0.6  
 ln (Re/rw) = 1.816337726

K = 2.14E-02 ft/min = 1.08E-02 cm/s  
 T = 2.135458792 ft²/min = 32.9134 cm²/s

Note:

To obtain dimensionless parameters A, B and C refer to  
 Bouwer and Rice June 1976 for graphical relation with L / rw  
 L / rw = 19.18465

If H = D then enter dimensionless parameter

C = 2.1  
 ln (Re/rw) = 2.80474

K = 3.30E-02 ft/min = 1.67E-02 cm/s  
 T = 3.297519 ft²/min = 50.824 cm²/s

**APPENDIX G**  
**ANALYTICAL RESULTS**

Stuart-Olver-Holtz  
Remedial Investigation

**ORGANIC DATA QUALIFIERS**

- U - Indicates that the compound was analyzed for, but not detected at or above the Contract Required Quantitation Limit (CRQL), or the compound is not detected due to qualification through the method or field blank.
- J - The associated numerical value is an estimated quantity.
- JN - Tentatively identified with approximated concentrations.
- UJ - The compound was analyzed for, but not detected. The sample quantitation limit is an estimated quantity due to variance in quality control limits.
- C - Applies to pesticide results where the identification has been confirmed by GC/MS.
- X - The mass spectrum does not meet USEPA CLP criteria for confirmation, however, compound presence is strongly suspected.
- E - Reported value is estimated due to quantitation above the calibration range.
- D - Reported result taken from diluted sample analysis.
- A - Aldol condensation product.
- R - Reported value is unusable and rejected due to variance from quality control limits.
- N - Indicates presumptive evidence of presence of the analyte in the sample. This qualifier is used for organic compounds when the GC-MS spectral match for a compound is less than ideal. It is generally used in conjunction with the reviewer's professional judgement.
- B - This flag is used when the analyte is found in the associated blank as well as in the sample.
- NA - Not Analyzed.

Stuart-Olver-Holtz  
Remedial Investigation

**INORGANIC DATA QUALIFIERS**

- U - Indicates analyte was not detected at or above the Contract Required Detection Limit (CRDL), or the compound is not detected due to qualification through the method or field blank.
- B - Indicates analyte result is between Instrument Detection Limit (IDL) and CRDL.
- J - Reported value is estimated due to variance from quality control limits.
- UJ - The element was analyzed for, but not detected. The sample quantitation limit is an estimate due to variance in quality control limits.
- E - Reported value is estimated because of the presence of interference.
- R - Reported value is unusable and rejected due to variance from quality control limits.
- W - Post-digestion spike for Furnace AA analysis is out of control limits (85-115%), while sample absorbance is less than 50% of spike absorbance.
- \* - Duplicate analysis not within control limits.
- +
- Correlation coefficient for the Method of Standard Additions is less than 0.995.
- N - Spiked sample recovery not within control limits.
- S - The reported value was determined by the Method of Standard Additions.
- NA - Not Analyzed.



**Surface Soil Sample Test Results**

Surface Soil Sample Test Results  
Volatile Organic Compounds

Remedial Investigation  
Stuart-Oliver-Holtz  
Site No. 8-28-079  
Henrietta, New York

| Parameter                  | SS-1<br>0"<br>10/26/94<br>(ug/kg) |    | SS-1 RE<br>0"<br>10/26/94<br>(ug/kg) |    | SS-2<br>0"<br>10/26/94<br>(ug/kg) |    | SS-3<br>0"<br>10/26/94<br>(ug/kg) |    | SS-3 RE<br>0"<br>10/26/94<br>(ug/kg) |    | SS-3<br>DUP-1<br>10/26/94<br>(ug/kg) |    | SS-3<br>DUP-1 RE<br>10/26/94<br>(ug/kg) |    | SS-4<br>0"<br>10/26/94<br>(ug/kg) |    | SS-4 RE<br>0"<br>10/26/94<br>(ug/kg) |    |
|----------------------------|-----------------------------------|----|--------------------------------------|----|-----------------------------------|----|-----------------------------------|----|--------------------------------------|----|--------------------------------------|----|-----------------------------------------|----|-----------------------------------|----|--------------------------------------|----|
|                            | Q                                 |    | Q                                    |    | Q                                 |    | Q                                 |    | Q                                    |    | Q                                    |    | Q                                       |    | Q                                 |    | Q                                    |    |
| Chloromethane              | 12                                | U  | 12                                   | U  | 11                                | U  | 12                                | U  | 13                                   | U  | 13                                   | U  | 13                                      | U  | 12                                | U  | 12                                   | U  |
| Bromomethane               | 12                                | U  | 12                                   | U  | 11                                | U  | 12                                | U  | 13                                   | U  | 13                                   | U  | 13                                      | U  | 12                                | U  | 12                                   | U  |
| Vinyl chloride             | 12                                | U  | 12                                   | U  | 11                                | U  | 12                                | U  | 13                                   | U  | 13                                   | U  | 13                                      | U  | 12                                | U  | 12                                   | U  |
| Chloroethane               | 12                                | U  | 12                                   | U  | 11                                | U  | 12                                | U  | 13                                   | U  | 13                                   | U  | 13                                      | U  | 12                                | U  | 12                                   | U  |
| Methylene chloride         | 8                                 | JN | 12                                   | U  | 11                                | U  | 30                                | U  | 17                                   | U  | 29                                   | U  | 16                                      | U  | 15                                | U  | 12                                   | U  |
| Acetone                    | 12                                | U  | 12                                   | U  | 11                                | U  | 12                                | U  | 13                                   | U  | 13                                   | U  | 13                                      | U  | 12                                | U  | 12                                   | U  |
| Carbon Disulfide           | 12                                | U  | 12                                   | U  | 11                                | U  | 12                                | U  | 13                                   | U  | 13                                   | U  | 13                                      | U  | 12                                | U  | 12                                   | U  |
| 1,1-Dichloroethane         | 12                                | U  | 12                                   | U  | 11                                | U  | 12                                | U  | 13                                   | U  | 13                                   | U  | 13                                      | U  | 12                                | U  | 12                                   | U  |
| 1,1-Dichloroethane         | 12                                | U  | 12                                   | U  | 11                                | U  | 12                                | U  | 13                                   | U  | 13                                   | U  | 13                                      | U  | 12                                | U  | 12                                   | U  |
| 1,2-Dichloroethane (Total) | 12                                | U  | 12                                   | U  | 11                                | U  | 12                                | U  | 13                                   | U  | 13                                   | U  | 13                                      | U  | 12                                | U  | 12                                   | U  |
| Chloroform                 | 12                                | U  | 12                                   | U  | 11                                | U  | 12                                | U  | 13                                   | U  | 13                                   | U  | 13                                      | U  | 12                                | U  | 12                                   | U  |
| 1,2-Dichloroethane         | 12                                | U  | 12                                   | U  | 11                                | U  | 12                                | U  | 13                                   | U  | 13                                   | U  | 13                                      | U  | 12                                | U  | 12                                   | U  |
| 2-Butanone                 | 12                                | U  | 12                                   | U  | 11                                | U  | 12                                | U  | 13                                   | U  | 13                                   | U  | 13                                      | U  | 12                                | U  | 12                                   | U  |
| 1,1,1-Trichloroethane      | 12                                | JU | 12                                   | JU | 11                                | JU | 12                                | JU | 13                                   | JU | 13                                   | JU | 13                                      | JU | 12                                | JU | 12                                   | JU |
| Carbon Tetrachloride       | 12                                | JU | 12                                   | JU | 11                                | JU | 12                                | JU | 13                                   | JU | 13                                   | JU | 13                                      | JU | 12                                | JU | 12                                   | JU |
| Bromodichloromethane       | 12                                | JU | 12                                   | JU | 11                                | JU | 12                                | JU | 13                                   | JU | 13                                   | JU | 13                                      | JU | 12                                | JU | 12                                   | JU |
| 1,2-Dichloropropane        | 12                                | JU | 12                                   | JU | 11                                | JU | 12                                | JU | 13                                   | JU | 13                                   | JU | 13                                      | JU | 12                                | JU | 12                                   | JU |
| cis-1,3-Dichloropropene    | 12                                | JU | 12                                   | JU | 11                                | JU | 12                                | JU | 13                                   | JU | 13                                   | JU | 13                                      | JU | 12                                | JU | 12                                   | JU |
| Trichloroethene            | 12                                | JU | 12                                   | JU | 11                                | JU | 12                                | JU | 13                                   | JU | 13                                   | JU | 13                                      | JU | 12                                | JU | 12                                   | JU |
| Dibromochloromethane       | 12                                | JU | 12                                   | JU | 11                                | JU | 12                                | JU | 13                                   | JU | 13                                   | JU | 13                                      | JU | 12                                | JU | 12                                   | JU |
| 1,1,2-Trichloroethane      | 12                                | JU | 12                                   | JU | 11                                | JU | 12                                | JU | 13                                   | JU | 13                                   | JU | 13                                      | JU | 12                                | JU | 12                                   | JU |
| Benzene                    | 12                                | JU | 12                                   | JU | 11                                | JU | 12                                | JU | 13                                   | JU | 13                                   | JU | 13                                      | JU | 12                                | JU | 12                                   | JU |
| trans-1,3-Dichloropropene  | 12                                | JU | 12                                   | JU | 11                                | JU | 12                                | JU | 13                                   | JU | 13                                   | JU | 13                                      | JU | 12                                | JU | 12                                   | JU |
| Bromoform                  | 12                                | JU | 12                                   | JU | 11                                | JU | 12                                | JU | 13                                   | JU | 13                                   | JU | 13                                      | JU | 12                                | JU | 12                                   | JU |
| 4-Methyl-2-Pentanone       | 12                                | JU | 12                                   | JU | 11                                | JU | 12                                | JU | 13                                   | JU | 13                                   | JU | 13                                      | JU | 12                                | JU | 12                                   | JU |
| 2-Hexanone                 | 12                                | JU | 12                                   | JU | 11                                | JU | 12                                | JU | 13                                   | JU | 13                                   | JU | 13                                      | JU | 12                                | JU | 12                                   | JU |
| Tetrachloroethene          | 12                                | JU | 12                                   | JU | 11                                | JU | 12                                | JU | 13                                   | JU | 13                                   | JU | 13                                      | JU | 12                                | JU | 12                                   | JU |
| 1,1,2,2-Tetrachloroethane  | 12                                | JU | 12                                   | JU | 11                                | JU | 12                                | JU | 13                                   | JU | 13                                   | JU | 13                                      | JU | 12                                | JU | 12                                   | JU |
| Toluene                    | 4                                 | J  | 12                                   | JU | 11                                | JU | 12                                | JU | 13                                   | JU | 13                                   | JU | 13                                      | JU | 12                                | JU | 12                                   | JU |
| Chlorobenzene              | 26                                | JU | 12                                   | JU | 11                                | JU | 12                                | JU | 13                                   | JU | 13                                   | JU | 13                                      | JU | 12                                | JU | 12                                   | JU |
| Ethylbenzene               | 12                                | JU | 12                                   | JU | 11                                | JU | 12                                | JU | 13                                   | JU | 13                                   | JU | 13                                      | JU | 12                                | JU | 12                                   | JU |
| Styrene                    | 12                                | JU | 12                                   | JU | 11                                | JU | 12                                | JU | 13                                   | JU | 13                                   | JU | 13                                      | JU | 12                                | JU | 12                                   | JU |
| Xylene (total)             | 12                                | JU | 12                                   | JU | 11                                | JU | 12                                | JU | 13                                   | JU | 13                                   | JU | 13                                      | JU | 12                                | JU | 12                                   | JU |

Surface Soil Sample Test Results  
Volatile Organic Compounds

Remedial Investigation  
Stuart-Oliver-Holtz  
Site No. 8-28-079  
Henrietta, New York

| Parameter                  | SS-5<br>0"<br>10/26/94<br>(ug/kg) |    | SS-5 RE<br>0"<br>10/26/94<br>(ug/kg) |    | SS-6<br>0"<br>10/26/94<br>(ug/kg) |    | SS-6 RE<br>0"<br>10/26/94<br>(ug/kg) |    |  |  |  |  |  |  |  |  |
|----------------------------|-----------------------------------|----|--------------------------------------|----|-----------------------------------|----|--------------------------------------|----|--|--|--|--|--|--|--|--|
|                            | 12                                | Q  | 12                                   | Q  | 12                                | Q  | 12                                   | Q  |  |  |  |  |  |  |  |  |
| Chloromethane              | 12                                | UJ | 12                                   | U  | 11                                | U  | 11                                   | U  |  |  |  |  |  |  |  |  |
| Bromomethane               | 12                                | UJ | 12                                   | U  | 11                                | U  | 11                                   | U  |  |  |  |  |  |  |  |  |
| Vinyl chloride             | 12                                | UJ | 12                                   | U  | 11                                | U  | 11                                   | U  |  |  |  |  |  |  |  |  |
| Chloroethane               | 12                                | UJ | 12                                   | U  | 11                                | U  | 11                                   | U  |  |  |  |  |  |  |  |  |
| Methylene chloride         | 12                                | U  | 12                                   | U  | 11                                | U  | 11                                   | U  |  |  |  |  |  |  |  |  |
| Acetone                    | 12                                | UJ | 12                                   | U  | 11                                | U  | 11                                   | U  |  |  |  |  |  |  |  |  |
| Carbon Disulfide           | 12                                | UJ | 12                                   | U  | 11                                | U  | 11                                   | U  |  |  |  |  |  |  |  |  |
| 1,1-Dichloroethene         | 12                                | UJ | 12                                   | U  | 11                                | U  | 11                                   | U  |  |  |  |  |  |  |  |  |
| 1,1-Dichloroethane         | 12                                | UJ | 12                                   | U  | 11                                | U  | 11                                   | U  |  |  |  |  |  |  |  |  |
| 1,2-Dichloroethene (Total) | 12                                | UJ | 12                                   | U  | 11                                | U  | 11                                   | U  |  |  |  |  |  |  |  |  |
| Chloroform                 | 12                                | UJ | 12                                   | U  | 11                                | U  | 11                                   | U  |  |  |  |  |  |  |  |  |
| 1,2-Dichloroethane         | 12                                | UJ | 12                                   | U  | 11                                | U  | 11                                   | U  |  |  |  |  |  |  |  |  |
| 2-Butanone                 | 12                                | UJ | 12                                   | U  | 11                                | U  | 11                                   | U  |  |  |  |  |  |  |  |  |
| 1,1,1-Trichloroethane      | 12                                | UJ | 12                                   | UJ | 11                                | UJ | 11                                   | UJ |  |  |  |  |  |  |  |  |
| Carbon Tetrachloride       | 12                                | UJ | 12                                   | UJ | 11                                | UJ | 11                                   | UJ |  |  |  |  |  |  |  |  |
| Bromodichloromethane       | 12                                | UJ | 12                                   | UJ | 11                                | UJ | 11                                   | UJ |  |  |  |  |  |  |  |  |
| 1,2-Dichloropropane        | 12                                | UJ | 12                                   | UJ | 11                                | UJ | 11                                   | UJ |  |  |  |  |  |  |  |  |
| cis-1,3-Dichloropropene    | 12                                | UJ | 12                                   | UJ | 11                                | UJ | 11                                   | UJ |  |  |  |  |  |  |  |  |
| Trichloroethene            | 12                                | UJ | 12                                   | UJ | 11                                | UJ | 11                                   | UJ |  |  |  |  |  |  |  |  |
| Dibromochloromethane       | 12                                | UJ | 12                                   | UJ | 11                                | UJ | 11                                   | UJ |  |  |  |  |  |  |  |  |
| 1,1,2-Trichloroethane      | 12                                | UJ | 12                                   | UJ | 11                                | UJ | 11                                   | UJ |  |  |  |  |  |  |  |  |
| Benzene                    | 12                                | UJ | 12                                   | UJ | 11                                | UJ | 11                                   | UJ |  |  |  |  |  |  |  |  |
| trans-1,3-Dichloropropene  | 12                                | UJ | 12                                   | UJ | 11                                | UJ | 11                                   | UJ |  |  |  |  |  |  |  |  |
| Bromoform                  | 12                                | UJ | 12                                   | UJ | 11                                | UJ | 11                                   | UJ |  |  |  |  |  |  |  |  |
| 4-Methyl-2-Pentanone       | 12                                | UJ | 12                                   | UJ | 11                                | UJ | 11                                   | UJ |  |  |  |  |  |  |  |  |
| 2-Hexanone                 | 12                                | UJ | 12                                   | UJ | 11                                | UJ | 11                                   | UJ |  |  |  |  |  |  |  |  |
| Tetrachloroethene          | 12                                | UJ | 12                                   | UJ | 11                                | UJ | 11                                   | UJ |  |  |  |  |  |  |  |  |
| 1,1,2,2-Tetrachloroethane  | 12                                | UJ | 12                                   | UJ | 11                                | UJ | 11                                   | UJ |  |  |  |  |  |  |  |  |
| Toluene                    | 12                                | UJ | 12                                   | UJ | 11                                | UJ | 11                                   | UJ |  |  |  |  |  |  |  |  |
| Chlorobenzene              | 12                                | UJ | 12                                   | UJ | 11                                | UJ | 11                                   | UJ |  |  |  |  |  |  |  |  |
| Ethylbenzene               | 12                                | UJ | 12                                   | UJ | 11                                | UJ | 11                                   | UJ |  |  |  |  |  |  |  |  |
| Styrene                    | 12                                | UJ | 12                                   | UJ | 11                                | UJ | 11                                   | UJ |  |  |  |  |  |  |  |  |
| Xylene (total)             | 12                                | UJ | 12                                   | UJ | 11                                | UJ | 11                                   | UJ |  |  |  |  |  |  |  |  |

Surface Soil Sample Test Results  
Semi-Volatile Organic Compounds

Remedial Investigation  
Stuart-Oliver-Holtz  
Site No. 8-28-079  
Henriette, New York

| Parameter                     | SS-1<br>O <sup>+</sup><br>10/25/94 |   | SS-1 DL<br>O <sup>+</sup><br>10/25/94 |    | SS-1 RE<br>O <sup>+</sup><br>10/25/94 |   | SS-2<br>O <sup>+</sup><br>10/26/94 |   | SS-3<br>O <sup>+</sup><br>10/26/94 |   | DUP-1<br>O <sup>+</sup><br>10/26/94 |   | SS-5<br>O <sup>+</sup><br>10/26/94 |   | SS-6<br>O <sup>+</sup><br>10/26/94 |   | SS-6 DL<br>O <sup>+</sup><br>10/26/94 |    |
|-------------------------------|------------------------------------|---|---------------------------------------|----|---------------------------------------|---|------------------------------------|---|------------------------------------|---|-------------------------------------|---|------------------------------------|---|------------------------------------|---|---------------------------------------|----|
|                               | (ug/kg)                            | Q | (ug/l)                                | Q  | (ug/kg)                               | Q | (ug/kg)                            | Q | (ug/kg)                            | Q | (ug/kg)                             | Q | (ug/kg)                            | Q | (ug/kg)                            | Q | (ug/kg)                               | Q  |
| Phenol                        | 4469                               | R | 21000                                 | U  | 4100                                  | U | 370                                | U | 4200                               | U | 4200                                | U | 2000                               | U | 3500                               | U | 18000                                 | U  |
| bis(2-chloroethyl) Ether      | 4100                               | U | 21000                                 | U  | 4100                                  | U | 370                                | U | 4200                               | U | 4200                                | U | 2000                               | U | 3500                               | U | 18000                                 | U  |
| 2-Chlorophenol                | 4469                               | R | 21000                                 | U  | 4100                                  | U | 370                                | U | 4200                               | U | 4200                                | U | 2000                               | U | 3500                               | U | 18000                                 | U  |
| 1,3-Dichlorobenzene           | 4100                               | U | 21000                                 | U  | 4100                                  | U | 370                                | U | 4200                               | U | 4200                                | U | 2000                               | U | 3500                               | U | 18000                                 | U  |
| 1,4-Dichlorobenzene           | 4100                               | U | 21000                                 | U  | 4100                                  | U | 370                                | U | 4200                               | U | 4200                                | U | 2000                               | U | 3500                               | U | 18000                                 | U  |
| 1,2-Dichlorobenzene           | 4100                               | U | 21000                                 | U  | 4100                                  | U | 370                                | U | 4200                               | U | 4200                                | U | 2000                               | U | 3500                               | U | 18000                                 | U  |
| 2-Methylphenol                | 4469                               | R | 21000                                 | U  | 4100                                  | U | 370                                | U | 4200                               | U | 4200                                | U | 2000                               | U | 3500                               | U | 18000                                 | U  |
| 2,2'-oxybis (1-Chloropropane) | 4100                               | U | 21000                                 | U  | 4100                                  | U | 370                                | U | 4200                               | U | 4200                                | U | 2000                               | U | 3500                               | U | 18000                                 | U  |
| 4-Methylphenol                | 4469                               | R | 21000                                 | U  | 4100                                  | U | 370                                | U | 4200                               | U | 4200                                | U | 2000                               | U | 3500                               | U | 18000                                 | U  |
| N-Nitroso-Di-n-Propylamine    | 4100                               | U | 21000                                 | U  | 4100                                  | U | 370                                | U | 4200                               | U | 4200                                | U | 2000                               | U | 3500                               | U | 18000                                 | U  |
| Hexachloroethane              | 4100                               | U | 21000                                 | U  | 4100                                  | U | 370                                | U | 4200                               | U | 4200                                | U | 2000                               | U | 3500                               | U | 18000                                 | U  |
| Nitrobenzene                  | 4100                               | U | 21000                                 | U  | 4100                                  | U | 370                                | U | 4200                               | U | 4200                                | U | 2000                               | U | 3500                               | U | 18000                                 | U  |
| Isophorone                    | 4100                               | U | 21000                                 | U  | 4100                                  | U | 370                                | U | 4200                               | U | 4200                                | U | 2000                               | U | 3500                               | U | 18000                                 | U  |
| 2-Nitrophenol                 | 4469                               | R | 21000                                 | U  | 4100                                  | U | 370                                | U | 4200                               | U | 4200                                | U | 2000                               | U | 3500                               | U | 18000                                 | U  |
| 2,4-Dimethylphenol            | 4469                               | R | 21000                                 | U  | 4100                                  | U | 370                                | U | 4200                               | U | 4200                                | U | 2000                               | U | 3500                               | U | 18000                                 | U  |
| bis(2-Chloroethoxy)Methane    | 4100                               | U | 21000                                 | U  | 4100                                  | U | 370                                | U | 4200                               | U | 4200                                | U | 2000                               | U | 3500                               | U | 18000                                 | U  |
| 2,4-Dichlorophenol            | 4469                               | R | 21000                                 | U  | 4100                                  | U | 370                                | U | 4200                               | U | 4200                                | U | 2000                               | U | 3500                               | U | 18000                                 | U  |
| 1,2,4-Trichlorobenzene        | 4100                               | U | 21000                                 | U  | 4100                                  | U | 370                                | U | 4200                               | U | 4200                                | U | 2000                               | U | 3500                               | U | 18000                                 | U  |
| Naphthalene                   | 370                                | J | 21000                                 | U  | 4100                                  | U | 370                                | U | 280                                | J | 4200                                | U | 2000                               | U | 3500                               | U | 18000                                 | U  |
| 4-Chloroaniline               | 4100                               | U | 21000                                 | U  | 4100                                  | U | 370                                | U | 4200                               | U | 4200                                | U | 2000                               | U | 3500                               | U | 18000                                 | U  |
| Hexachlorobutadiene           | 4100                               | U | 21000                                 | U  | 4100                                  | U | 370                                | U | 4200                               | U | 4200                                | U | 2000                               | U | 3500                               | U | 18000                                 | U  |
| 4-Chloro-3-Methylphenol       | 4469                               | R | 21000                                 | U  | 4100                                  | U | 370                                | U | 4200                               | U | 4200                                | U | 2000                               | U | 3500                               | U | 18000                                 | U  |
| 2-Methylnaphthalene           | 4100                               | U | 21000                                 | U  | 4100                                  | U | 370                                | U | 4200                               | U | 4200                                | U | 2000                               | U | 3500                               | U | 18000                                 | U  |
| Hexachlorocyclopentadiene     | 4100                               | U | 21000                                 | U  | 4100                                  | U | 370                                | U | 4200                               | U | 4200                                | U | 2000                               | U | 3500                               | U | 18000                                 | U  |
| 2,4,6-Trichlorophenol         | 4469                               | R | 21000                                 | U  | 4100                                  | U | 370                                | U | 4200                               | U | 4200                                | U | 2000                               | U | 3500                               | U | 18000                                 | U  |
| 2,4,5-Trichlorophenol         | 4469                               | R | 21000                                 | U  | 4100                                  | U | 370                                | U | 4200                               | U | 4200                                | U | 2000                               | U | 3500                               | U | 18000                                 | U  |
| 2-Chloronaphthalene           | 4100                               | U | 21000                                 | U  | 4100                                  | U | 370                                | U | 4200                               | U | 4200                                | U | 2000                               | U | 3500                               | U | 18000                                 | U  |
| 2-Nitroaniline                | 10000                              | U | 51000                                 | U  | 10000                                 | U | 930                                | U | 10000                              | U | 11000                               | U | 5000                               | U | 8500                               | U | 44000                                 | U  |
| Dimethyl Phthalate            | 4100                               | U | 21000                                 | U  | 4100                                  | U | 370                                | U | 4200                               | U | 4200                                | U | 2000                               | U | 3500                               | U | 18000                                 | U  |
| Acenaphthylene                | 2500                               | J | 3600                                  | JD | 1500                                  | J | 80                                 | J | 2100                               | J | 1500                                | J | 260                                | J | 580                                | J | 18000                                 | U  |
| 2,6-Dinitrotoluene            | 4100                               | U | 21000                                 | U  | 4100                                  | U | 370                                | U | 4200                               | U | 4200                                | U | 2000                               | U | 3500                               | U | 18000                                 | U  |
| 3-Nitroaniline                | 10000                              | U | 51000                                 | U  | 10000                                 | U | 930                                | U | 10000                              | U | 11000                               | U | 5000                               | U | 8500                               | U | 44000                                 | U  |
| Acenaphthene                  | 1700                               | J | 2800                                  | JD | 1100                                  | J | 53                                 | J | 340                                | J | 280                                 | J | 210                                | J | 3300                               | J | 4000                                  | JD |
| 2,4-Dinitrophenol             | 4469                               | R | 51000                                 | U  | 10000                                 | U | 930                                | U | 40669                              | R | 41000                               | R | 5000                               | U | 8500                               | R | 44000                                 | U  |

Remedial Investigation  
Stuart-Olver-Holtz  
Site No. 0-28-079  
Henrietta, New York

BORINGR1.XLS

Surface Soil Sample Test Results  
Semi-Volatile Organic Compounds

Remedial Investigation  
Stuart-Oliver-Holtz  
Site No. 8-28-079  
Henriette, New York

| Parameter                    | SS-1<br>O <sup>+</sup><br>10/25/94<br>(ug/kg) |    | SS-1 RE<br>O <sup>+</sup><br>10/25/94<br>(ug/kg) |    | SS-2<br>O <sup>+</sup><br>10/26/94<br>(ug/kg) |   | SS-3<br>O <sup>+</sup><br>10/26/94<br>(ug/kg) |   | DUP-1<br>O <sup>+</sup><br>10/26/94<br>(ug/kg) |   | SS-6<br>O <sup>+</sup><br>10/26/94<br>(ug/kg) |   | SS-6<br>O <sup>+</sup><br>10/26/94<br>(ug/kg) |   | SS-6 DL<br>O <sup>+</sup><br>10/26/94<br>(ug/kg) |    |
|------------------------------|-----------------------------------------------|----|--------------------------------------------------|----|-----------------------------------------------|---|-----------------------------------------------|---|------------------------------------------------|---|-----------------------------------------------|---|-----------------------------------------------|---|--------------------------------------------------|----|
|                              | Q                                             |    | Q                                                |    | Q                                             |   | Q                                             |   | Q                                              |   | Q                                             |   | Q                                             |   | Q                                                |    |
| 4-Nitrophenol                | 4666                                          | R  | 10000                                            | U  | 930                                           | U | 10000                                         | U | 11000                                          | U | 5000                                          | U | 8800                                          | U | 44000                                            | U  |
| Dibenzofuran                 | 1000                                          | J  | 680                                              | J  | 28                                            | J | 4200                                          | U | 4200                                           | U | 110                                           | J | 1400                                          | J | 1700                                             | JD |
| 2,4-Dinitrotoluene           | 4100                                          | U  | 4100                                             | U  | 370                                           | U | 4200                                          | U | 4200                                           | U | 2000                                          | U | 3500                                          | U | 18000                                            | U  |
| Diethylphthalate             | 4100                                          | U  | 4100                                             | U  | 370                                           | U | 4200                                          | U | 4200                                           | U | 2000                                          | U | 3500                                          | U | 18000                                            | U  |
| 4-Chlorophenyl-Phenylether   | 4100                                          | U  | 4100                                             | U  | 370                                           | U | 4200                                          | U | 4200                                           | U | 2000                                          | U | 3500                                          | U | 18000                                            | U  |
| Fluorene                     | 2800                                          | J  | 2000                                             | J  | 84                                            | J | 470                                           | J | 410                                            | J | 250                                           | J | 3200                                          | J | 4000                                             | JD |
| 4-Nitroaniline               | 10000                                         | U  | 10000                                            | U  | 930                                           | U | 10000                                         | U | 11000                                          | U | 5000                                          | U | 8800                                          | U | 44000                                            | U  |
| 4,6-Dinitro-2-Methylphenol   | 4666                                          | R  | 10000                                            | U  | 930                                           | U | 10000                                         | U | 11000                                          | U | 5000                                          | U | 8800                                          | U | 44000                                            | U  |
| N-Nitrosodiphenylamine       | 4100                                          | U  | 4100                                             | U  | 370                                           | U | 4200                                          | U | 4200                                           | U | 2000                                          | U | 3500                                          | U | 18000                                            | U  |
| 4-Bromophenyl-phenylether    | 4100                                          | U  | 4100                                             | U  | 370                                           | U | 4200                                          | U | 4200                                           | U | 2000                                          | U | 3500                                          | U | 18000                                            | U  |
| Hexachlorobenzene            | 4100                                          | U  | 4100                                             | U  | 370                                           | U | 4200                                          | U | 4200                                           | U | 2000                                          | U | 3500                                          | U | 18000                                            | U  |
| Pentachlorophenol            | 4666                                          | R  | 10000                                            | U  | 930                                           | U | 10000                                         | U | 11000                                          | U | 5000                                          | U | 8800                                          | U | 44000                                            | U  |
| Phenanthrene                 | 44000                                         | E  | 27000                                            | D  | 1500                                          | D | 11000                                         | D | 9000                                           | D | 4000                                          | D | 31000                                         | E | 52000                                            | D  |
| Anthracene                   | 8500                                          | E  | 12000                                            | JD | 270                                           | J | 3100                                          | J | 2600                                           | J | 940                                           | J | 6700                                          | J | 7800                                             | JD |
| Carbazole                    | 8800                                          | J  | 10000                                            | JD | 150                                           | J | 2100                                          | J | 1800                                           | J | 630                                           | J | 5100                                          | J | 6500                                             | JD |
| Di-n-Butylphthalate          | 880                                           | J  | 1600                                             | JD | 180                                           | J | 4000                                          | J | 3300                                           | J | 210                                           | J | 3500                                          | J | 18000                                            | U  |
| Fluoranthene                 | 82000                                         | E  | 130000                                           | D  | 47000                                         | E | 26000                                         | D | 22000                                          | D | 10000                                         | D | 47000                                         | E | 83000                                            | D  |
| Pyrene                       | 73000                                         | EJ | 120000                                           | D  | 44000                                         | E | 24000                                         | D | 22000                                          | D | 8500                                          | D | 48000                                         | E | 76000                                            | D  |
| Butylbenzylphthalate         | 2700                                          | J  | 3900                                             | JD | 620                                           | J | 140                                           | J | 3800                                           | J | 360                                           | J | 220                                           | J | 18000                                            | U  |
| 3,3'-Dichlorobenzidine       | 4100                                          | U  | 4100                                             | U  | 370                                           | U | 4200                                          | U | 4200                                           | U | 2000                                          | U | 3500                                          | U | 18000                                            | U  |
| Benzo (a) Anthracene         | 43000                                         | E  | 54000                                            | D  | 31000                                         | D | 13000                                         | D | 10000                                          | D | 5100                                          | D | 24000                                         | D | 31000                                            | D  |
| Chrysene                     | 56000                                         | E  | 79000                                            | D  | 1600                                          | D | 21000                                         | D | 17000                                          | D | 7200                                          | D | 27000                                         | D | 39000                                            | D  |
| Bis (2-Ethylhexyl) Phthalate | 7300                                          | U  | 11000                                            | JD | 2300                                          | J | 27000                                         | J | 27000                                          | J | 1200                                          | J | 370                                           | J | 18000                                            | U  |
| Di-n-Octyl Phthalate         | 4100                                          | U  | 21000                                            | U  | 4100                                          | U | 4200                                          | U | 4200                                           | U | 2000                                          | U | 3500                                          | U | 18000                                            | U  |
| Benzo (b) Fluoranthene       | 85000                                         | E  | 92000                                            | D  | 34000                                         | E | 31000                                         | D | 24000                                          | D | 11000                                         | D | 30000                                         | E | 45000                                            | D  |
| Benzo (k) Fluoranthene       | 15000                                         | E  | 26000                                            | D  | 14000                                         | D | 10000                                         | D | 5800                                           | D | 2000                                          | D | 7000                                          | D | 16000                                            | JD |
| Benzo (a) Pyrene             | 50000                                         | E  | 58000                                            | D  | 1700                                          | D | 15000                                         | D | 18000                                          | D | 8200                                          | D | 21000                                         | D | 30000                                            | D  |
| Indeno (1,2,3-cd) Pyrene     | 48000                                         | E  | 50000                                            | D  | 1200                                          | D | 25000                                         | D | 22000                                          | D | 8000                                          | D | 18000                                         | D | 28000                                            | D  |
| Dibenz (a,h) Anthracene      | 17000                                         | U  | 18000                                            | JD | 380                                           | J | 10000                                         | D | 5800                                           | D | 2500                                          | D | 7200                                          | D | 5900                                             | JD |
| Benzo (g,h,i) Perylene       | 21000                                         | D  | 23000                                            | D  | 1000                                          | D | 3500                                          | D | 9800                                           | D | 1100                                          | D | 6000                                          | D | 8600                                             | JD |

Remedial Investigation  
Stuart-Oliver-Holtz  
Site No. 8-28-079  
Henriette, New York

BORING1.XLS

Surface Soil Sample Test Results  
PCBs/Peestides

Remedial Investigation  
Stuart-Oliver-Holtz  
Site No. 8-28-079  
Henriette, New York

| Parameter          | SS-1<br>0"<br>10/25/94 |    | SS-2<br>0"<br>10/26/94 |    | SS-3<br>0"<br>10/26/94 |    | DUP-1 (SS-3)<br>0"<br>10/26/94 |    | SS-4<br>0"<br>10/28/94 |    | SS-5<br>0"<br>10/26/94 |    | SS-6<br>0"<br>10/26/94 |    |
|--------------------|------------------------|----|------------------------|----|------------------------|----|--------------------------------|----|------------------------|----|------------------------|----|------------------------|----|
|                    | (ug/kg)                | Q  | (ug/kg)                | Q  | (ug/kg)                | Q  | (ug/kg)                        | Q  | (ug/kg)                | Q  | (ug/kg)                | Q  | (ug/kg)                | Q  |
| PESTICIDES         |                        |    |                        |    |                        |    |                                |    |                        |    |                        |    |                        |    |
| alpha-BHC          | 2.1                    | UJ | 1.8                    | UJ | 2.1                    | UJ | 2.1                            | UJ | 2.1                    | UJ | 2                      | UJ | 1.8                    | UJ |
| beta-BHC           | 2.1                    | UJ | 1.8                    | UJ | 2.1                    | UJ | 2.1                            | UJ | 2.1                    | UJ | 2                      | UJ | 1.8                    | UJ |
| delta-BHC          | 2.1                    | UJ | 1.8                    | UJ | 2.1                    | UJ | 2.1                            | UJ | 2.1                    | UJ | 2                      | UJ | 1.8                    | UJ |
| gamma-BHC          | 2.1                    | UJ | 1.8                    | UJ | 2.1                    | UJ | 2.1                            | UJ | 2.1                    | UJ | 2                      | UJ | 1.8                    | UJ |
| Heptachlor         | 2.1                    | UJ | 1.8                    | UJ | 2.1                    | UJ | 2.1                            | UJ | 2.1                    | UJ | 2                      | UJ | 1.8                    | UJ |
| Aldrin             | 2.1                    | UJ | 1.8                    | UJ | 2.1                    | UJ | 2.1                            | UJ | 2.1                    | UJ | 2                      | UJ | 1.8                    | UJ |
| Heptachlor Epoxide | 2.1                    | UJ | 1.8                    | UJ | 2.1                    | UJ | 2.1                            | UJ | 2.1                    | UJ | 2                      | UJ | 1.8                    | UJ |
| Endosulfen I       | 2.1                    | UJ | 1.8                    | UJ | 2.1                    | UJ | 2.1                            | UJ | 2.1                    | UJ | 2                      | UJ | 1.8                    | UJ |
| Endosulfen II      | 4.1                    | UJ | 3.7                    | UJ | 4.2                    | UJ | 4.2                            | UJ | 4.1                    | UJ | 4                      | UJ | 3.5                    | UJ |
| 4,4'-DDE           | 4.1                    | UJ | 3.7                    | UJ | 4.2                    | UJ | 4.2                            | UJ | 4.1                    | UJ | 4                      | UJ | 3.5                    | UJ |
| Endrin             | 4.1                    | UJ | 3.7                    | UJ | 4.2                    | UJ | 4.2                            | UJ | 4.1                    | UJ | 4                      | UJ | 3.5                    | UJ |
| Endosulfen II      | 4.1                    | UJ | 3.7                    | UJ | 4.2                    | UJ | 4.2                            | UJ | 4.1                    | UJ | 4                      | UJ | 3.5                    | UJ |
| 4,4'-DDD           | 4.1                    | UJ | 3.7                    | UJ | 4.2                    | UJ | 4.2                            | UJ | 4.1                    | UJ | 4                      | UJ | 3.5                    | UJ |
| Endosulfen Sulfate | 4.1                    | UJ | 3.7                    | UJ | 4.2                    | UJ | 4.2                            | UJ | 4.1                    | UJ | 4                      | UJ | 3.5                    | UJ |
| 4,4'-DDT           | 4.1                    | UJ | 3.7                    | UJ | 4.2                    | UJ | 4.2                            | UJ | 4.1                    | UJ | 4                      | UJ | 3.5                    | UJ |
| Methoxychlor       | 21                     | UJ | 18                     | UJ | 21                     | UJ | 21                             | UJ | 21                     | UJ | 20                     | UJ | 18                     | UJ |
| Endrin Ketone      | 4.1                    | UJ | 3.7                    | UJ | 4.2                    | UJ | 4.2                            | UJ | 4.1                    | UJ | 4                      | UJ | 3.5                    | UJ |
| Endrin Aldehyde    | 4.1                    | UJ | 3.7                    | UJ | 4.2                    | UJ | 4.2                            | UJ | 4.1                    | UJ | 4                      | UJ | 3.5                    | UJ |
| alpha-Chlordane    | 2.1                    | UJ | 1.8                    | UJ | 2.1                    | UJ | 2.1                            | UJ | 2.1                    | UJ | 2                      | UJ | 1.8                    | UJ |
| gamma-Chlordane    | 2.1                    | UJ | 1.8                    | UJ | 2.1                    | UJ | 2.1                            | UJ | 2.1                    | UJ | 2                      | UJ | 1.8                    | UJ |
| Toxaphene          | 210                    | UJ | 180                    | UJ | 210                    | UJ | 210                            | UJ | 210                    | UJ | 200                    | UJ | 180                    | UJ |
| PCBs               |                        |    |                        |    |                        |    |                                |    |                        |    |                        |    |                        |    |
| Aroclor-1016       | 41                     | UJ | 37                     | UJ | 42                     | UJ | 42                             | UJ | 41                     | UJ | 40                     | UJ | 35                     | UJ |
| Aroclor-1221       | 82                     | UJ | 73                     | UJ | 83                     | UJ | 84                             | UJ | 82                     | UJ | 79                     | UJ | 70                     | UJ |
| Aroclor-1232       | 41                     | UJ | 37                     | UJ | 42                     | UJ | 42                             | UJ | 41                     | UJ | 40                     | UJ | 35                     | UJ |
| Aroclor-1242       | 41                     | UJ | 37                     | UJ | 42                     | UJ | 42                             | UJ | 41                     | UJ | 40                     | UJ | 35                     | UJ |
| Aroclor-1248       | 41                     | UJ | 37                     | UJ | 42                     | UJ | 42                             | UJ | 41                     | UJ | 40                     | UJ | 35                     | UJ |
| Aroclor-1254       | 41                     | UJ | 37                     | UJ | 42                     | UJ | 42                             | UJ | 41                     | UJ | 40                     | UJ | 35                     | UJ |
| Aroclor-1260       | 41                     | UJ | 37                     | UJ | 42                     | UJ | 42                             | UJ | 41                     | UJ | 40                     | UJ | 35                     | UJ |



Surface Soil Sample Test Results  
Metals/Others

Remedial Investigation  
Stuart-Oliver-Holtz  
Site No. B-28-079  
Henriette, New York

| Parameter | SS-1<br>O <sup>+</sup><br>10/26/94<br>(mg/kg) |    | SS-2<br>O <sup>+</sup><br>10/26/94<br>(mg/kg) |    | SS-3<br>O <sup>+</sup><br>10/26/94<br>(mg/kg) |     | DUP-1 (SS-3)<br>O <sup>+</sup><br>10/26/94<br>(mg/kg) |     | SS-4<br>O <sup>+</sup><br>10/26/94<br>(mg/kg) |     | SS-5<br>O <sup>+</sup><br>10/26/94<br>(mg/kg) |     | SS-6<br>O <sup>+</sup><br>10/26/94<br>(mg/kg) |     |
|-----------|-----------------------------------------------|----|-----------------------------------------------|----|-----------------------------------------------|-----|-------------------------------------------------------|-----|-----------------------------------------------|-----|-----------------------------------------------|-----|-----------------------------------------------|-----|
|           | Q                                             |    | Q                                             |    | Q                                             |     | Q                                                     |     | Q                                             |     | Q                                             |     | Q                                             |     |
| METALS    |                                               |    |                                               |    |                                               |     |                                                       |     |                                               |     |                                               |     |                                               |     |
| Aluminum  | 8750                                          |    | 5960                                          |    | 4990                                          |     | 5260                                                  |     | 8520                                          |     | 10700                                         |     | 4990                                          |     |
| Antimony  | 3                                             | U  | 24.8                                          |    | 23.1                                          |     | 9.2                                                   | B   | 2.9                                           | U   | 2.8                                           | U   | 2.5                                           | U   |
| Arsenic   | 8.8                                           | NJ | 5.1                                           | NJ | 8.1                                           | SNJ | 72.9                                                  | SNJ | 3                                             | SNJ | 4.8                                           | SNJ | 3.5                                           | SNJ |
| Barium    | 136                                           |    | 164                                           |    | 161                                           |     | 3350                                                  |     | 67.7                                          |     | 90.8                                          |     | 38.5                                          | B   |
| Beryllium | 0.42                                          | B  | 0.22                                          | B  | 0.27                                          | B   | 0.26                                                  | U   | 0.34                                          | B   | 0.46                                          | B   | 0.21                                          | U   |
| Cadmium   | 6.8                                           |    | 5.9                                           |    | 7.6                                           |     | 84.9                                                  |     | 1.2                                           | B   | 0.71                                          | U   | 1.5                                           |     |
| Calcium   | 30200                                         |    | 54600                                         |    | 21200                                         |     | 40000                                                 |     | 25000                                         |     | 47700                                         |     | 58100                                         |     |
| Chromium  | 107                                           |    | 1570                                          |    | 1550                                          |     | 731                                                   |     | 21.1                                          |     | 30.7                                          |     | 13.8                                          |     |
| Cobalt    | 7.3                                           | B  | 8.4                                           | B  | 5.7                                           | B   | 366                                                   |     | 4.1                                           | B   | 6                                             | B   | 3.2                                           | B   |
| Copper    | 58                                            |    | 62.7                                          |    | 66.2                                          |     | 4710                                                  |     | 22.9                                          |     | 65.7                                          |     | 24.4                                          |     |
| Iron      | 19800                                         |    | 21300                                         |    | 19500                                         |     | 54100                                                 |     | 12300                                         |     | 16700                                         |     | 11800                                         |     |
| Lead      | 121                                           |    | 48.5                                          |    | 35.8                                          |     | 529                                                   |     | 93                                            |     | 111                                           |     | 101                                           |     |
| Magnesium | 13900                                         |    | 23500                                         |    | 32800                                         |     | 19200                                                 |     | 8110                                          |     | 16300                                         |     | 22100                                         |     |
| Manganese | 470                                           |    | 631                                           |    | 407                                           |     | 482                                                   |     | 208                                           |     | 420                                           |     | 287                                           |     |
| Mercury   | 0.15                                          | U  | 0.17                                          |    | 0.2                                           |     | 0.33                                                  |     | 0.2                                           |     | 0.15                                          | U   | 0.13                                          | U   |
| Nickel    | 115                                           |    | 45.4                                          |    | 55.7                                          |     | 5950                                                  |     | 12.9                                          |     | 17.8                                          |     | 11.4                                          |     |
| Potassium | 1320                                          |    | 1720                                          |    | 2150                                          |     | 1270                                                  |     | 1330                                          |     | 1770                                          |     | 1040                                          | B   |
| Selenium  | 14.1                                          | SN | 1.4                                           | SN | 0.75                                          | NB  | 186                                                   | SN  | 0.25                                          | UN* | 0.24                                          | UN  | 1.1                                           | SN  |
| Silver    | 1.8                                           | B  | 1.2                                           | B  | 0.98                                          | B   | 16.3                                                  | B   | 0.86                                          | B*  | 0.87                                          | B   | 0.6                                           | B   |
| Sodium    | 107                                           | B  | 119                                           | B  | 316                                           | B   | 289                                                   | B   | 577                                           | U   | 677                                           | B   | 264                                           | B   |
| Thallium  | 0.5                                           | WU | 0.44                                          | U  | 0.5                                           | U   | 0.51                                                  | UW  | 0.49                                          | U   | 0.47                                          | UW  | 0.42                                          | UW  |
| Vanadium  | 21.4                                          |    | 14.8                                          |    | 18.4                                          |     | 13.3                                                  |     | 18.5                                          |     | 28                                            |     | 12.9                                          |     |
| Zinc      | 233                                           |    | 98.9                                          |    | 84.9                                          |     | 2280                                                  |     | 90                                            |     | 364                                           |     | 101                                           |     |
| OTHERS    |                                               |    |                                               |    |                                               |     |                                                       |     |                                               |     |                                               |     |                                               |     |
| Cyanide   | 1.2                                           | U  | 2.3                                           |    | 39.9                                          |     | 40.5                                                  |     | 10                                            | U   | 1.3                                           |     | 1.1                                           | U   |

**Round 1 Soil Boring Sample Results**

Soil Boring Sample Test Results  
Volatile Organic Compounds

Remedial Investigation  
Stuart-Oliver-Holtz  
Site No. 8-28-079  
Henrietta, New York

| Parameter                 | SB-1<br>2-4'<br>10/18/94 |    | SB-1<br>22-24'<br>10/18/94 |    | SB-4<br>0-2'<br>10/19/94 |    | SB-4<br>18-20'<br>10/19/94 |    | SB-4<br>24-26'<br>10/19/94 |    | SB-8<br>8-10'<br>10/24/94 |   | OW-1R<br>6-8'<br>10/20/94 |   |
|---------------------------|--------------------------|----|----------------------------|----|--------------------------|----|----------------------------|----|----------------------------|----|---------------------------|---|---------------------------|---|
|                           | (ug/kg)                  | Q  | (ug/kg)                    | Q  | (ug/kg)                  | Q  | (ug/kg)                    | Q  | (ug/kg)                    | Q  | (ug/kg)                   | Q | (ug/kg)                   | Q |
| Chloromethane             | 13                       | U  | 11                         | U  | 11                       | U  | 11                         | U  | 11                         | U  | 11                        | U | 11                        | U |
| Bromomethane              | 13                       | U  | 11                         | U  | 11                       | U  | 11                         | U  | 11                         | U  | 11                        | U | 11                        | U |
| Vinyl chloride            | 13                       | U  | 11                         | U  | 11                       | U  | 11                         | U  | 11                         | U  | 11                        | U | 11                        | U |
| Chloroethane              | 13                       | U  | 11                         | U  | 11                       | U  | 11                         | U  | 11                         | U  | 11                        | U | 11                        | U |
| Methylene chloride        | 13                       | U  | 11                         | U  | 11                       | U  | 11                         | U  | 11                         | U  | 11                        | U | 11                        | U |
| Acetone                   | 13                       | UJ | 11                         | U  | 11                       | U  | 11                         | U  | 11                         | U  | 11                        | U | 11                        | U |
| Carbon Disulfide          | 13                       | U  | 11                         | U  | 11                       | U  | 11                         | U  | 11                         | U  | 11                        | U | 11                        | U |
| 1,1-Dichloroethane        | 13                       | U  | 11                         | U  | 11                       | U  | 11                         | U  | 11                         | U  | 11                        | U | 11                        | U |
| 1,1-Dichloroethane        | 13                       | U  | 11                         | U  | 11                       | U  | 11                         | U  | 11                         | U  | 11                        | U | 11                        | U |
| 1,2-Dichloroethane(Total) | 13                       | U  | 11                         | U  | 11                       | U  | 11                         | U  | 11                         | U  | 11                        | U | 11                        | U |
| Chloroform                | 13                       | U  | 11                         | U  | 11                       | U  | 11                         | U  | 11                         | U  | 11                        | U | 11                        | U |
| 1,2-Dichloroethane        | 13                       | U  | 11                         | U  | 11                       | U  | 11                         | U  | 11                         | U  | 11                        | U | 11                        | U |
| 2-Butanone                | 13                       | UJ | 11                         | U  | 11                       | UJ | 11                         | UJ | 11                         | U  | 11                        | U | 11                        | U |
| 1,1,1-Trichloroethane     | 13                       | U  | 11                         | U  | 11                       | U  | 11                         | U  | 11                         | U  | 11                        | U | 11                        | U |
| Carbon Tetrachloride      | 13                       | U  | 11                         | U  | 11                       | U  | 11                         | U  | 11                         | U  | 11                        | U | 11                        | U |
| Bromodichloromethane      | 13                       | U  | 11                         | U  | 11                       | U  | 11                         | U  | 11                         | U  | 11                        | U | 11                        | U |
| 1,2-Dichloropropane       | 13                       | U  | 11                         | U  | 11                       | U  | 11                         | U  | 11                         | U  | 11                        | U | 11                        | U |
| cis-1,3-Dichloropropane   | 13                       | U  | 11                         | U  | 11                       | U  | 11                         | U  | 11                         | U  | 11                        | U | 11                        | U |
| Trichloroethene           | 13                       | U  | 15                         | U  | 11                       | U  | 11                         | U  | 11                         | U  | 11                        | U | 11                        | U |
| Dibromochloromethane      | 13                       | U  | 11                         | U  | 11                       | U  | 11                         | U  | 11                         | U  | 11                        | U | 11                        | U |
| 1,1,2-Trichloroethane     | 13                       | U  | 11                         | U  | 11                       | U  | 11                         | U  | 11                         | U  | 11                        | U | 11                        | U |
| Benzene                   | 13                       | U  | 11                         | U  | 11                       | U  | 11                         | U  | 11                         | U  | 11                        | U | 11                        | U |
| trans-1,3-Dichloropropene | 13                       | U  | 11                         | U  | 11                       | U  | 11                         | U  | 11                         | U  | 11                        | U | 11                        | U |
| Bromoform                 | 13                       | U  | 11                         | U  | 11                       | U  | 11                         | U  | 11                         | U  | 11                        | U | 11                        | U |
| 4-Methyl-2-Pentanone      | 13                       | UJ | 11                         | U  | 11                       | U  | 11                         | U  | 11                         | U  | 11                        | U | 11                        | U |
| 2-Hexanone                | 13                       | UJ | 11                         | UJ | 11                       | U  | 11                         | U  | 11                         | UJ | 11                        | U | 11                        | U |
| Tetrachloroethane         | 13                       | U  | 11                         | U  | 11                       | U  | 11                         | U  | 11                         | U  | 11                        | U | 11                        | U |
| 1,1,2,2-Tetrachloroethane | 13                       | UJ | 11                         | U  | 11                       | U  | 11                         | U  | 11                         | U  | 11                        | U | 11                        | U |
| Toluene                   | 13                       | U  | 11                         | U  | 11                       | U  | 11                         | U  | 11                         | U  | 11                        | U | 11                        | U |
| Chlorobenzene             | 13                       | U  | 11                         | U  | 11                       | U  | 11                         | U  | 11                         | U  | 11                        | U | 11                        | U |
| Ethylbenzene              | 13                       | U  | 11                         | U  | 11                       | U  | 11                         | U  | 11                         | U  | 11                        | U | 11                        | U |
| Styrene                   | 13                       | U  | 11                         | U  | 11                       | U  | 11                         | U  | 11                         | U  | 11                        | U | 11                        | U |
| Xylene (total)            | 13                       | U  | 11                         | U  | 11                       | U  | 11                         | U  | 11                         | U  | 11                        | U | 11                        | U |

Soil Boring Sample Test Results  
Volatile Organic Compounds

Remedial Investigation  
Stuart-Oliver-Holtz  
Site No. 8-28-079  
Henrietta, New York

| Parameter                 | OW-1R<br>20-22'<br>10/20/94<br>(ug/kg) |  | OW-5S<br>14-16'<br>11/2/94<br>(ug/kg) |  | OW-6S<br>10-12'<br>11/3/94<br>(ug/kg) |  | OW-6S<br>20-22'<br>11/4/94<br>(ug/kg) |  | OW-2S<br>34-36'<br>11/9/94<br>(ug/kg) |  | OW-4R<br>32-34'<br>11/15/94<br>(ug/kg) |  |
|---------------------------|----------------------------------------|--|---------------------------------------|--|---------------------------------------|--|---------------------------------------|--|---------------------------------------|--|----------------------------------------|--|
|                           | Q                                      |  | Q                                     |  | Q                                     |  | Q                                     |  | Q                                     |  | Q                                      |  |
| Chloromethane             | 11                                     |  | 11                                    |  | 11                                    |  | 1300                                  |  | 1400                                  |  | 10                                     |  |
| Bromomethane              | 11                                     |  | 11                                    |  | 11                                    |  | 1300                                  |  | 1400                                  |  | 10                                     |  |
| Vinyl chloride            | 11                                     |  | 11                                    |  | 11                                    |  | 1300                                  |  | 1400                                  |  | 10                                     |  |
| Chloroethane              | 11                                     |  | 11                                    |  | 11                                    |  | 1300                                  |  | 1400                                  |  | 10                                     |  |
| Methylene chloride        | 11                                     |  | 7                                     |  | 5                                     |  | 1300                                  |  | 270                                   |  | 10                                     |  |
| Acetone                   | 11                                     |  | 11                                    |  | 11                                    |  | 1300                                  |  | 1400                                  |  | 10                                     |  |
| Carbon Disulfide          | 11                                     |  | 11                                    |  | 11                                    |  | 1300                                  |  | 1400                                  |  | 10                                     |  |
| 1,1-Dichloroethane        | 11                                     |  | 11                                    |  | 11                                    |  | 1300                                  |  | 1400                                  |  | 10                                     |  |
| 1,1-Dichloroethane        | 11                                     |  | 11                                    |  | 11                                    |  | 1300                                  |  | 1400                                  |  | 10                                     |  |
| 1,2-Dichloroethane(Total) | 11                                     |  | 11                                    |  | 11                                    |  | 910                                   |  | 1400                                  |  | 10                                     |  |
| Chloroform                | 11                                     |  | 11                                    |  | 11                                    |  | 1300                                  |  | 1400                                  |  | 10                                     |  |
| 1,2-Dichloroethane        | 11                                     |  | 11                                    |  | 11                                    |  | 1300                                  |  | 1400                                  |  | 10                                     |  |
| 2-Butanone                | 11                                     |  | 11                                    |  | 11                                    |  | 1300                                  |  | 1400                                  |  | 10                                     |  |
| 1,1,1-Trichloroethane     | 11                                     |  | 11                                    |  | 67                                    |  | 1300                                  |  | 1400                                  |  | 10                                     |  |
| Carbon Tetrachloride      | 11                                     |  | 11                                    |  | 11                                    |  | 1300                                  |  | 1400                                  |  | 10                                     |  |
| Bromodichloromethane      | 11                                     |  | 11                                    |  | 11                                    |  | 1300                                  |  | 1400                                  |  | 10                                     |  |
| 1,2-Dichloropropane       | 11                                     |  | 11                                    |  | 11                                    |  | 1300                                  |  | 1400                                  |  | 10                                     |  |
| cis-1,3-Dichloropropene   | 11                                     |  | 11                                    |  | 11                                    |  | 1300                                  |  | 1400                                  |  | 10                                     |  |
| Trichloroethene           | 65                                     |  | 11                                    |  | 11                                    |  | 160                                   |  | 1400                                  |  | 10                                     |  |
| Dibromochloromethane      | 11                                     |  | 11                                    |  | 11                                    |  | 1300                                  |  | 1400                                  |  | 10                                     |  |
| 1,1,2-Trichloroethane     | 11                                     |  | 11                                    |  | 11                                    |  | 1300                                  |  | 1400                                  |  | 10                                     |  |
| Benzene                   | 11                                     |  | 11                                    |  | 11                                    |  | 1300                                  |  | 1400                                  |  | 10                                     |  |
| trans-1,3-Dichloropropene | 11                                     |  | 11                                    |  | 11                                    |  | 1300                                  |  | 1400                                  |  | 10                                     |  |
| Bromoform                 | 11                                     |  | 11                                    |  | 11                                    |  | 1300                                  |  | 1400                                  |  | 10                                     |  |
| 4-Methyl-2-Pentanone      | 11                                     |  | 11                                    |  | 11                                    |  | 1300                                  |  | 1400                                  |  | 10                                     |  |
| 2-Hexanone                | 11                                     |  | 11                                    |  | 11                                    |  | 1300                                  |  | 1400                                  |  | 10                                     |  |
| Tetrachloroethene         | 11                                     |  | 11                                    |  | 37                                    |  | 280                                   |  | 1400                                  |  | 10                                     |  |
| 1,1,2,2-Tetrachloroethane | 11                                     |  | 11                                    |  | 11                                    |  | 1300                                  |  | 1400                                  |  | 10                                     |  |
| Toluene                   | 11                                     |  | 11                                    |  | 11                                    |  | 1300                                  |  | 600                                   |  | 10                                     |  |
| Chlorobenzene             | 11                                     |  | 11                                    |  | 11                                    |  | 1300                                  |  | 1400                                  |  | 10                                     |  |
| Ethylbenzene              | 11                                     |  | 11                                    |  | 11                                    |  | 1300                                  |  | 1400                                  |  | 10                                     |  |
| Styrene                   | 11                                     |  | 11                                    |  | 11                                    |  | 1300                                  |  | 1400                                  |  | 10                                     |  |
| Xylene (total)            | 11                                     |  | 11                                    |  | 11                                    |  | 1300                                  |  | 380                                   |  | 10                                     |  |

Soil Boring Sample Test Results  
Volatile Organic Compounds

Remedial Investigation  
Stuart-Oliver-Holtz  
Site No. 8-28-079  
Henrietta, New York

| Parameter                 | OW-7R<br>34-36'<br>11/19/94 |   | OW-4R<br>42-44'<br>11/18/94 |   | OW-7R<br>40-42'<br>11/22/94 |   | OW-4S<br>8-10'<br>11/22/94 |   | OW-4S RE<br>8-10'<br>11/22/94 |   | OW-7S<br>28-30'<br>11/28/94 |   | OW-7S<br>8-10'<br>11/28/94 |   |
|---------------------------|-----------------------------|---|-----------------------------|---|-----------------------------|---|----------------------------|---|-------------------------------|---|-----------------------------|---|----------------------------|---|
|                           | (ug/kg)                     | Q | (ug/kg)                     | Q | (ug/kg)                     | Q | (ug/kg)                    | Q | (ug/kg)                       | Q | (ug/kg)                     | Q | (ug/kg)                    | Q |
| Chloromethane             | 11                          | U | 11                          | U | 10                          | U | 11                         | U | 11                            | U | 1500                        | U | 11                         | U |
| Bromomethane              | 11                          | U | 11                          | U | 10                          | U | 11                         | U | 11                            | U | 1500                        | U | 11                         | U |
| Vinyl chloride            | 11                          | U | 11                          | U | 10                          | U | 11                         | U | 11                            | U | 1500                        | U | 11                         | U |
| Chloroethane              | 11                          | U | 11                          | U | 10                          | U | 11                         | U | 11                            | U | 1500                        | U | 11                         | U |
| Methylene chloride        | 11                          | U | 6                           | J | 5                           | J | 7                          | J | 6                             | J | 1500                        | U | 33                         | U |
| Acetone                   | 11                          | U | 11                          | U | 10                          | U | 11                         | U | 11                            | U | 1500                        | U | 11                         | U |
| Carbon Disulfide          | 11                          | U | 11                          | U | 10                          | U | 11                         | U | 11                            | U | 1500                        | U | 11                         | U |
| 1,1-Dichloroethane        | 11                          | U | 11                          | U | 10                          | U | 11                         | U | 11                            | U | 1500                        | U | 2                          | J |
| 1,1-Dichloroethene        | 5                           | J | 11                          | U | 10                          | U | 12                         | U | 11                            | U | 1500                        | U | 22                         | J |
| 1,2-Dichloroethene(Total) | 11                          | U | 11                          | U | 10                          | U | 14                         | U | 11                            | U | 1500                        | U | 55                         | J |
| Chloroform                | 11                          | U | 11                          | U | 10                          | U | 11                         | U | 11                            | U | 1500                        | U | 11                         | U |
| 1,2-Dichloroethane        | 11                          | U | 11                          | U | 10                          | U | 11                         | U | 11                            | U | 1500                        | U | 8                          | J |
| 2-Butanone                | 11                          | U | 11                          | U | 10                          | U | 11                         | U | 11                            | U | 1500                        | U | 11                         | U |
| 1,1,1-Trichloroethane     | 6                           | J | 11                          | U | 10                          | U | 130                        | J | 24                            | J | 1500                        | U | 210                        | J |
| Carbon Tetrachloride      | 11                          | U | 11                          | U | 10                          | U | 11                         | U | 11                            | U | 1500                        | U | 11                         | U |
| Bromodichloromethane      | 11                          | U | 11                          | U | 10                          | U | 11                         | U | 11                            | U | 1500                        | U | 11                         | U |
| 1,2-Dichloropropane       | 11                          | U | 11                          | U | 10                          | U | 11                         | U | 11                            | U | 1500                        | U | 11                         | U |
| cis-1,3-Dichloropropene   | 11                          | U | 11                          | U | 10                          | U | 11                         | U | 11                            | U | 1500                        | U | 11                         | U |
| Trichloroethene           | 32                          | J | 11                          | U | 110                         | J | 200                        | J | 38                            | J | 1500                        | U | 21                         | J |
| Dibromochloromethane      | 11                          | U | 11                          | U | 10                          | U | 11                         | U | 11                            | U | 1500                        | U | 11                         | U |
| 1,1,2-Trichloroethane     | 11                          | U | 11                          | U | 10                          | U | 11                         | U | 11                            | U | 1500                        | U | 4                          | J |
| Benzene                   | 11                          | U | 110                         | J | 10                          | U | 11                         | U | 11                            | U | 1500                        | U | 11                         | U |
| trans-1,3-Dichloropropene | 11                          | U | 11                          | U | 10                          | U | 11                         | U | 11                            | U | 1500                        | U | 11                         | U |
| Bromoform                 | 11                          | U | 11                          | U | 10                          | U | 11                         | U | 11                            | U | 1500                        | U | 11                         | U |
| 4-Methyl-2-Pentanone      | 11                          | U | 11                          | U | 10                          | U | 11                         | U | 11                            | U | 1500                        | U | 11                         | U |
| 2-Hexanone                | 11                          | U | 11                          | U | 10                          | U | 11                         | U | 11                            | U | 1500                        | U | 11                         | U |
| Tetrachloroethane         | 11                          | U | 11                          | U | 10                          | U | 11                         | U | 11                            | U | 1500                        | U | 11                         | U |
| 1,1,2,2-Tetrachloroethane | 11                          | U | 21                          | J | 10                          | U | 11                         | U | 11                            | U | 1500                        | U | 4                          | J |
| Toluene                   | 11                          | U | 11                          | U | 10                          | U | 11                         | U | 11                            | U | 1500                        | U | 11                         | U |
| Chlorobenzene             | 11                          | U | 11                          | U | 10                          | U | 11                         | U | 11                            | U | 1500                        | U | 11                         | U |
| Ethylbenzene              | 11                          | U | 7                           | J | 10                          | U | 11                         | U | 11                            | U | 1500                        | U | 11                         | U |
| Styrene                   | 11                          | U | 11                          | U | 10                          | U | 11                         | U | 11                            | U | 1500                        | U | 11                         | U |
| Xylene (total)            | 11                          | U | 11                          | U | 10                          | U | 11                         | U | 11                            | U | 1500                        | U | 11                         | U |

Soil Boring Sample Test Results  
Semi-Volatile Organic Compounds

Remedial Investigation  
Stuart-Oliver-Holtz  
Site No. 8-28-079  
Henrietta, New York

| Parameter                     | SB1<br>2-4'<br>10/18/94 |   | SB1<br>24-26'<br>10/18/94 |   | SB-4<br>0-2'<br>10/19/94 |   | SB-4<br>18-20'<br>10/19/94 |   | SB-4<br>24-26'<br>10/19/94 |   | SB-8<br>10-12'<br>10/24/94 |   | OW1R<br>6-8'<br>10/20/94 |   |
|-------------------------------|-------------------------|---|---------------------------|---|--------------------------|---|----------------------------|---|----------------------------|---|----------------------------|---|--------------------------|---|
|                               | (ug/kg)                 | Q | (ug/kg)                   | Q | (ug/kg)                  | Q | (ug/kg)                    | Q | (ug/kg)                    | Q | (ug/kg)                    | Q | (ug/kg)                  | Q |
| Phenol                        | 420                     | U | 350                       | U | 350                      | U | 360                        | U | 370                        | U | 370                        | U | 360                      | U |
| bis(2-chloroethyl) Ether      | 420                     | U | 350                       | U | 350                      | U | 360                        | U | 370                        | U | 370                        | U | 360                      | U |
| 2-Chlorophenol                | 420                     | U | 350                       | U | 350                      | U | 360                        | U | 370                        | U | 370                        | U | 360                      | U |
| 1,3-Dichlorobenzene           | 420                     | U | 350                       | U | 350                      | U | 360                        | U | 370                        | U | 370                        | U | 360                      | U |
| 1,4-Dichlorobenzene           | 420                     | U | 350                       | U | 350                      | U | 360                        | U | 370                        | U | 370                        | U | 360                      | U |
| 1,2 Dichlorobenzene           | 420                     | U | 350                       | U | 350                      | U | 360                        | U | 370                        | U | 370                        | U | 360                      | U |
| 2-Methylphenol                | 420                     | U | 350                       | U | 350                      | U | 360                        | U | 370                        | U | 370                        | U | 360                      | U |
| 2,2'-oxybis (1-Chloropropane) | 420                     | U | 350                       | U | 350                      | U | 360                        | U | 370                        | U | 370                        | U | 360                      | U |
| 4-Methylphenol                | 420                     | U | 350                       | U | 350                      | U | 360                        | U | 370                        | U | 370                        | U | 360                      | U |
| N-Nitroso-Di-n-Propylamine    | 420                     | U | 350                       | U | 350                      | U | 360                        | U | 370                        | U | 370                        | U | 360                      | U |
| Hexachloroethane              | 420                     | U | 350                       | U | 350                      | U | 360                        | U | 370                        | U | 370                        | U | 360                      | U |
| Nitrobenzene                  | 420                     | U | 350                       | U | 350                      | U | 360                        | U | 370                        | U | 370                        | U | 360                      | U |
| Isophorone                    | 420                     | U | 350                       | U | 350                      | U | 360                        | U | 370                        | U | 370                        | U | 360                      | U |
| 2-Nitrophenol                 | 420                     | U | 350                       | U | 350                      | U | 360                        | U | 370                        | U | 370                        | U | 360                      | U |
| 2,4-Dimethylphenol            | 420                     | U | 350                       | U | 350                      | U | 360                        | U | 370                        | U | 370                        | U | 360                      | U |
| bis(2-Chloroethoxy)Methane    | 420                     | U | 350                       | U | 350                      | U | 360                        | U | 370                        | U | 370                        | U | 360                      | U |
| 2,4-Dichlorophenol            | 420                     | U | 350                       | U | 350                      | U | 360                        | U | 370                        | U | 370                        | U | 360                      | U |
| 1,2,4-Trichlorobenzene        | 420                     | U | 350                       | U | 350                      | U | 360                        | U | 370                        | U | 370                        | U | 360                      | U |
| Naphthalene                   | 420                     | U | 350                       | U | 350                      | U | 360                        | U | 370                        | U | 370                        | U | 360                      | U |
| 4-Chloroaniline               | 420                     | U | 350                       | U | 350                      | U | 360                        | U | 370                        | U | 370                        | U | 360                      | U |
| Hexachlorobutadiene           | 420                     | U | 350                       | U | 350                      | U | 360                        | U | 370                        | U | 370                        | U | 360                      | U |
| 4-Chloro-3-Methylphenol       | 420                     | U | 350                       | U | 350                      | U | 360                        | U | 370                        | U | 370                        | U | 360                      | U |
| 2-Methylnaphthalene           | 420                     | U | 350                       | U | 350                      | U | 360                        | U | 370                        | U | 370                        | U | 360                      | U |
| Hexachlorocyclopentadiene     | 420                     | U | 350                       | U | 350                      | U | 360                        | U | 370                        | U | 370                        | U | 360                      | U |
| 2,4,6-Trichlorophenol         | 420                     | U | 350                       | U | 350                      | U | 360                        | U | 370                        | U | 370                        | U | 360                      | U |
| 2,4,5-Trichlorophenol         | 1100                    | U | 890                       | U | 890                      | U | 900                        | U | 930                        | U | 930                        | U | 910                      | U |
| 2-Chloronaphthalene           | 420                     | U | 350                       | U | 350                      | U | 360                        | U | 370                        | U | 370                        | U | 360                      | U |
| 2-Nitroaniline                | 1100                    | U | 890                       | U | 890                      | U | 900                        | U | 930                        | U | 930                        | U | 910                      | U |
| Dimethyl Phthalate            | 420                     | U | 350                       | U | 350                      | U | 360                        | U | 370                        | U | 370                        | U | 360                      | U |
| Acenaphthylene                | 420                     | U | 350                       | U | 350                      | U | 360                        | U | 370                        | U | 370                        | U | 360                      | U |
| 2,6-Dinitrotoluene            | 420                     | U | 350                       | U | 350                      | U | 360                        | U | 370                        | U | 370                        | U | 360                      | U |
| 3-Nitroaniline                | 1100                    | U | 890                       | U | 890                      | U | 900                        | U | 930                        | U | 930                        | U | 910                      | U |
| Acenaphthene                  | 420                     | U | 350                       | U | 350                      | U | 360                        | U | 370                        | U | 370                        | U | 360                      | U |
| 2,4-Dinitrophenol             | 1100                    | U | 890                       | U | 890                      | U | 900                        | U | 930                        | U | 930                        | U | 910                      | U |

Soil Boring Sample Test Results  
Semi-Volatile Organic Compounds

Remedial Investigation  
Stuart-Oliver-Holtz  
Site No. 8-28-079  
Henrietta, New York

| Parameter                     | OW1R<br>22-23'<br>10/20/94 |    | OW-5S<br>14-16'<br>11/2/94 |    | OW-6S<br>10-12'<br>11/3/94 |    | OW-6S<br>20-22'<br>11/4/94 |    | OW-2S<br>34-36'<br>11/9/94 |    | OW-6S<br>2-4'<br>11/3/94 |    | OW-4R<br>34-36'<br>10/15/94 |    |
|-------------------------------|----------------------------|----|----------------------------|----|----------------------------|----|----------------------------|----|----------------------------|----|--------------------------|----|-----------------------------|----|
|                               | (ug/kg)                    | Q  | (ug/kg)                    | Q  | (ug/kg)                    | Q  | (ug/kg)                    | Q  | (ug/kg)                    | Q  | (ug/kg)                  | Q  | (ug/kg)                     | Q  |
| Phenol                        | 370                        | U  | 360                        | U  | 350                        | U  | 350                        | U  | 350                        | U  | 370                      | U  | 360                         | U  |
| bis(2-chloroethyl) Ether      | 370                        | UJ | 360                        | UJ | 350                        | U  | 350                        | U  | 350                        | U  | 370                      | U  | 360                         | U  |
| 2-Chlorophenol                | 370                        | U  | 360                        | U  | 350                        | U  | 350                        | U  | 350                        | U  | 370                      | U  | 360                         | U  |
| 1,3-Dichlorobenzene           | 370                        | U  | 360                        | U  | 350                        | U  | 350                        | U  | 350                        | U  | 370                      | U  | 360                         | U  |
| 1,4-Dichlorobenzene           | 370                        | U  | 360                        | U  | 350                        | U  | 350                        | U  | 350                        | U  | 370                      | U  | 360                         | U  |
| 1,2 Dichlorobenzene           | 370                        | U  | 360                        | U  | 350                        | U  | 350                        | U  | 350                        | U  | 370                      | U  | 360                         | U  |
| 2-Methylphenol                | 370                        | U  | 360                        | U  | 350                        | U  | 350                        | U  | 350                        | U  | 370                      | U  | 360                         | U  |
| 2,2'-oxybis (1-Chloropropane) | 370                        | UJ | 360                        | UJ | 350                        | UJ | 350                        | UJ | 350                        | UJ | 370                      | UJ | 360                         | U  |
| 4-Methylphenol                | 370                        | U  | 360                        | U  | 350                        | U  | 350                        | U  | 350                        | U  | 370                      | U  | 360                         | U  |
| N-Nitroso-Di-n-Propylamine    | 370                        | U  | 360                        | U  | 350                        | U  | 350                        | U  | 350                        | U  | 370                      | U  | 360                         | U  |
| Hexachloroethane              | 370                        | U  | 360                        | U  | 350                        | U  | 350                        | U  | 350                        | U  | 370                      | U  | 360                         | U  |
| Nitrobenzene                  | 370                        | U  | 360                        | U  | 350                        | U  | 350                        | U  | 350                        | U  | 370                      | U  | 360                         | U  |
| Isophorone                    | 370                        | U  | 360                        | U  | 350                        | U  | 350                        | U  | 350                        | U  | 370                      | U  | 360                         | U  |
| 2-Nitrophenol                 | 370                        | U  | 360                        | U  | 350                        | U  | 350                        | U  | 350                        | U  | 370                      | U  | 360                         | U  |
| 2,4-Dimethylphenol            | 370                        | U  | 360                        | U  | 350                        | U  | 350                        | U  | 350                        | U  | 370                      | U  | 360                         | U  |
| bis(2-Chloroethoxy)Methane    | 370                        | U  | 360                        | U  | 350                        | U  | 350                        | U  | 350                        | U  | 370                      | U  | 360                         | U  |
| 2,4-Dichlorophenol            | 370                        | U  | 360                        | U  | 350                        | U  | 350                        | U  | 350                        | U  | 370                      | U  | 360                         | U  |
| 1,2,4-Trichlorobenzene        | 370                        | U  | 360                        | U  | 350                        | U  | 350                        | U  | 350                        | U  | 370                      | U  | 360                         | U  |
| Naphthalene                   | 370                        | U  | 360                        | U  | 350                        | U  | 350                        | U  | 350                        | U  | 370                      | U  | 360                         | U  |
| 4-Chloroaniline               | 370                        | U  | 360                        | U  | 350                        | U  | 350                        | U  | 350                        | U  | 370                      | U  | 360                         | U  |
| Hexachlorobutadiene           | 370                        | U  | 360                        | U  | 350                        | U  | 350                        | U  | 350                        | U  | 370                      | U  | 360                         | UJ |
| 4-Chloro-3-Methylphenol       | 370                        | U  | 360                        | U  | 350                        | U  | 350                        | U  | 350                        | U  | 370                      | U  | 360                         | U  |
| 2-Methylnaphthalene           | 370                        | U  | 360                        | U  | 350                        | U  | 350                        | U  | 350                        | U  | 370                      | U  | 360                         | U  |
| Hexachlorocyclopentadiene     | 370                        | U  | 360                        | U  | 350                        | U  | 350                        | U  | 350                        | U  | 370                      | U  | 360                         | U  |
| 2,4,6-Trichlorophenol         | 370                        | U  | 360                        | U  | 350                        | U  | 350                        | U  | 350                        | U  | 370                      | U  | 360                         | U  |
| 2,4,5-Trichlorophenol         | 940                        | U  | 900                        | U  | 880                        | U  | 880                        | U  | 890                        | U  | 930                      | U  | 900                         | U  |
| 2-Chloronaphthalene           | 370                        | U  | 360                        | U  | 350                        | U  | 350                        | U  | 350                        | U  | 370                      | U  | 360                         | U  |
| 2-Nitroaniline                | 940                        | U  | 900                        | U  | 880                        | U  | 880                        | U  | 890                        | U  | 930                      | U  | 900                         | U  |
| Dimethyl Phthalate            | 370                        | U  | 360                        | U  | 350                        | U  | 350                        | U  | 350                        | U  | 370                      | U  | 360                         | U  |
| Acenaphthylene                | 370                        | U  | 360                        | U  | 350                        | U  | 350                        | U  | 350                        | U  | 370                      | U  | 360                         | U  |
| 2,6-Dinitrotoluene            | 370                        | U  | 360                        | U  | 350                        | U  | 350                        | U  | 350                        | U  | 370                      | U  | 360                         | U  |
| 3-Nitroaniline                | 940                        | U  | 900                        | U  | 880                        | U  | 880                        | U  | 890                        | U  | 930                      | U  | 900                         | U  |
| Acenaphthene                  | 370                        | U  | 360                        | U  | 350                        | U  | 350                        | U  | 350                        | U  | 370                      | U  | 360                         | U  |
| 2,4-Dinitrophenol             | 940                        | UJ | 900                        | UJ | 880                        | UJ | 880                        | UJ | 890                        | UJ | 930                      | UJ | 900                         | U  |

Soil Boring Sample Test Results  
Semi-Volatile Organic Compounds

Remedial Investigation  
Stuart-Oliver-Holtz  
Site No. 8-28-079  
Henrietta, New York

| Parameter                     | OW-7R<br>34-36'<br>11/19/94 |    | OW-4R<br>42-44'<br>11/18/94 |    | OW-7R<br>40-42'<br>11/22/94 |    | OW-4S<br>8-10'<br>11/22/94 |    | OW-6S<br>0-2'<br>11/28/94 |    | OW-7S<br>28-30'<br>11/28/94 |    | OW-7S<br>8-10'<br>11/28/94 |    |
|-------------------------------|-----------------------------|----|-----------------------------|----|-----------------------------|----|----------------------------|----|---------------------------|----|-----------------------------|----|----------------------------|----|
|                               | (ug/kg)                     | Q  | (ug/kg)                     | Q  | (ug/kg)                     | Q  | (ug/kg)                    | Q  | (ug/kg)                   | Q  | (ug/kg)                     | Q  | (ug/kg)                    | Q  |
| Phenol                        | 350                         | U  | 380                         | U  | 350                         | U  | 360                        | U  | 400                       | U  | 390                         | U  | 370                        | U  |
| bis(2-chloroethyl) Ether      | 350                         | U  | 380                         | U  | 350                         | U  | 360                        | U  | 400                       | U  | 390                         | U  | 370                        | U  |
| 2-Chlorophenol                | 350                         | U  | 380                         | U  | 350                         | U  | 360                        | U  | 400                       | U  | 390                         | U  | 370                        | U  |
| 1,3-Dichlorobenzene           | 350                         | U  | 380                         | U  | 350                         | U  | 360                        | U  | 400                       | U  | 390                         | U  | 370                        | U  |
| 1,4-Dichlorobenzene           | 350                         | U  | 380                         | U  | 350                         | U  | 360                        | U  | 400                       | U  | 390                         | U  | 370                        | U  |
| 1,2-Dichlorobenzene           | 350                         | U  | 380                         | U  | 350                         | U  | 360                        | U  | 400                       | U  | 390                         | U  | 370                        | U  |
| 2-Methylphenol                | 350                         | U  | 380                         | U  | 350                         | U  | 360                        | U  | 400                       | U  | 390                         | U  | 370                        | U  |
| 2,2'-oxybis (1-Chloropropane) | 350                         | U  | 380                         | U  | 350                         | U  | 360                        | U  | 400                       | U  | 390                         | U  | 370                        | U  |
| 4-Methylphenol                | 350                         | U  | 380                         | U  | 350                         | U  | 360                        | U  | 400                       | U  | 390                         | U  | 370                        | U  |
| N-Nitroso-Di-n-Propylamine    | 350                         | U  | 380                         | U  | 350                         | U  | 360                        | U  | 400                       | U  | 390                         | U  | 370                        | U  |
| Hexachloroethane              | 350                         | U  | 380                         | U  | 350                         | U  | 360                        | U  | 400                       | U  | 390                         | U  | 370                        | U  |
| Nitrobenzene                  | 350                         | U  | 380                         | U  | 350                         | U  | 360                        | U  | 400                       | U  | 390                         | U  | 370                        | U  |
| Isophorone                    | 350                         | U  | 380                         | U  | 350                         | U  | 360                        | U  | 400                       | U  | 390                         | U  | 370                        | U  |
| 2-Nitrophenol                 | 350                         | U  | 380                         | U  | 350                         | U  | 360                        | U  | 400                       | U  | 390                         | U  | 370                        | U  |
| 2,4-Dimethylphenol            | 350                         | U  | 380                         | U  | 350                         | U  | 360                        | U  | 400                       | U  | 390                         | U  | 370                        | U  |
| bis(2-Chloroethoxy)Methane    | 350                         | U  | 380                         | U  | 350                         | U  | 360                        | U  | 400                       | U  | 390                         | U  | 370                        | U  |
| 2,4-Dichlorophenol            | 350                         | U  | 380                         | U  | 350                         | U  | 360                        | U  | 400                       | U  | 390                         | U  | 370                        | U  |
| 1,2,4-Trichlorobenzene        | 350                         | U  | 380                         | U  | 350                         | U  | 360                        | U  | 400                       | U  | 390                         | U  | 370                        | U  |
| Naphthalene                   | 350                         | U  | 380                         | U  | 350                         | U  | 360                        | U  | 400                       | U  | 390                         | U  | 370                        | U  |
| 4-Chloroaniline               | 350                         | U  | 380                         | U  | 350                         | U  | 360                        | U  | 400                       | U  | 390                         | U  | 370                        | U  |
| Hexachlorobutadiene           | 350                         | UJ | 380                         | UJ | 350                         | U  | 360                        | U  | 400                       | U  | 390                         | U  | 370                        | U  |
| 4-Chloro-3-Methylphenol       | 350                         | U  | 380                         | U  | 350                         | U  | 360                        | U  | 400                       | U  | 390                         | U  | 370                        | U  |
| 2-Methylnaphthalene           | 350                         | U  | 380                         | U  | 350                         | UJ | 360                        | UJ | 400                       | UJ | 390                         | U  | 370                        | U  |
| Hexachlorocyclopentadiene     | 350                         | U  | 380                         | U  | 350                         | U  | 360                        | U  | 400                       | U  | 390                         | UJ | 370                        | UJ |
| 2,4,6-Trichlorophenol         | 350                         | U  | 380                         | U  | 350                         | U  | 360                        | U  | 400                       | U  | 390                         | U  | 370                        | U  |
| 2,4,5-Trichlorophenol         | 350                         | U  | 950                         | U  | 870                         | U  | 360                        | U  | 1000                      | U  | 980                         | U  | 930                        | U  |
| 2-Chloronaphthalene           | 350                         | U  | 380                         | U  | 350                         | U  | 360                        | U  | 400                       | U  | 390                         | U  | 370                        | U  |
| 2-Nitroaniline                | 880                         | U  | 950                         | U  | 870                         | U  | 900                        | U  | 1000                      | U  | 980                         | U  | 930                        | U  |
| Dimethyl Phthalate            | 350                         | U  | 380                         | U  | 350                         | U  | 360                        | U  | 400                       | U  | 390                         | U  | 370                        | U  |
| Acenaphthylene                | 350                         | U  | 380                         | U  | 350                         | U  | 360                        | U  | 400                       | U  | 390                         | U  | 370                        | U  |
| 2,6-Dinitrotoluene            | 350                         | U  | 380                         | U  | 350                         | U  | 360                        | U  | 400                       | U  | 390                         | U  | 370                        | U  |
| 3-Nitroaniline                | 880                         | U  | 950                         | U  | 870                         | U  | 900                        | U  | 1000                      | U  | 980                         | U  | 930                        | U  |
| Acenaphthene                  | 350                         | U  | 380                         | U  | 350                         | U  | 360                        | U  | 400                       | U  | 390                         | U  | 370                        | U  |
| 2,4-Dinitrophenol             | 880                         | U  | 950                         | U  | 870                         | UJ | 900                        | U  | 1000                      | U  | 980                         | U  | 930                        | U  |



Soil Boring Sample Test Results  
Semi-Volatile Organic Compounds

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Site No. 8-28-079  
Henrietta, New York

| Parameter                    | SB-1<br>2-4'<br>10/18/94 |    | SB-1<br>24-26'<br>10/18/94 |    | SB-4<br>0-2'<br>10/19/94 |   | SB-4<br>18-20'<br>10/19/94 |    | SB-4<br>24-26'<br>10/19/94 |    | OW-1R<br>6-8'<br>10/20/94 |    | OW-1R<br>22-23'<br>10/20/94 |    |
|------------------------------|--------------------------|----|----------------------------|----|--------------------------|---|----------------------------|----|----------------------------|----|---------------------------|----|-----------------------------|----|
|                              | (ug/kg)                  | Q  | (ug/kg)                    | Q  | (ug/kg)                  | Q | (ug/kg)                    | Q  | (ug/kg)                    | Q  | (ug/kg)                   | Q  | (ug/kg)                     | Q  |
| 4-Nitrophenol                | 1100                     | U  | 890                        | U  | 890                      | U | 900                        | U  | 930                        | U  | 910                       | U  | 940                         | U  |
| Dibenzofuran                 | 420                      | U  | 350                        | U  | 890                      | U | 360                        | U  | 370                        | U  | 360                       | U  | 370                         | U  |
| 2,4-Dinitrotoluene           | 420                      | U  | 350                        | U  | 350                      | U | 360                        | U  | 370                        | U  | 360                       | U  | 370                         | U  |
| Diethylphthalate             | 420                      | U  | 350                        | U  | 350                      | U | 360                        | U  | 370                        | U  | 360                       | U  | 370                         | U  |
| 4-Chlorophenyl-Phenylether   | 420                      | U  | 350                        | U  | 350                      | U | 360                        | U  | 370                        | U  | 360                       | U  | 370                         | U  |
| Fluorene                     | 420                      | U  | 350                        | U  | 350                      | U | 360                        | U  | 370                        | U  | 360                       | U  | 370                         | U  |
| 4-Nitroaniline               | 1100                     | U  | 890                        | U  | 890                      | U | 900                        | U  | 930                        | U  | 910                       | U  | 940                         | U  |
| 4,6-Dinitro-2-Methylphenol   | 1100                     | U  | 890                        | U  | 890                      | U | 900                        | U  | 930                        | U  | 910                       | U  | 940                         | U  |
| N-Nitrosodiphenylamine       | 420                      | U  | 350                        | U  | 350                      | U | 360                        | U  | 370                        | U  | 360                       | U  | 370                         | U  |
| 4-Bromophenyl-phenylether    | 420                      | U  | 350                        | U  | 350                      | U | 360                        | U  | 370                        | U  | 360                       | U  | 370                         | U  |
| Hexachlorobenzene            | 420                      | U  | 350                        | U  | 350                      | U | 360                        | U  | 370                        | U  | 360                       | U  | 370                         | U  |
| Pentachlorophenol            | 1100                     | U  | 890                        | U  | 890                      | U | 900                        | U  | 930                        | U  | 910                       | U  | 940                         | U  |
| Phenanthrene                 | 420                      | U  | 350                        | U  | 350                      | U | 360                        | U  | 370                        | U  | 360                       | U  | 370                         | U  |
| Anthracene                   | 420                      | U  | 350                        | U  | 350                      | U | 360                        | U  | 370                        | U  | 360                       | U  | 370                         | U  |
| Carbazole                    | 420                      | U  | 350                        | U  | 350                      | U | 360                        | U  | 370                        | U  | 360                       | U  | 370                         | U  |
| Di-n-Butylphthalate          | 420                      | U  | 350                        | U  | 350                      | U | 360                        | U  | 370                        | U  | 360                       | U  | 370                         | U  |
| Fluoranthene                 | 56                       | J  | 350                        | U  | 260                      | J | 360                        | U  | 370                        | U  | 360                       | U  | 370                         | U  |
| Pyrene                       | 40                       | J  | 350                        | U  | 280                      | J | 360                        | U  | 370                        | U  | 360                       | U  | 370                         | U  |
| Butylbenzylphthalate         | 420                      | U  | 350                        | U  | 280                      | J | 360                        | U  | 370                        | U  | 360                       | U  | 370                         | U  |
| 3,3'-Dichlorobenzidine       | 420                      | U  | 350                        | U  | 350                      | U | 360                        | U  | 370                        | U  | 360                       | U  | 370                         | U  |
| Benzo (a) Anthracene         | 420                      | U  | 350                        | U  | 110                      | J | 360                        | U  | 370                        | U  | 360                       | U  | 370                         | U  |
| Chrysene                     | 28                       | J  | 350                        | U  | 160                      | J | 360                        | U  | 370                        | U  | 360                       | U  | 370                         | U  |
| Bis (2-Ethylhexyl) Phthalate | 420                      | U  | 350                        | U  | 350                      | U | 360                        | U  | 370                        | U  | 360                       | U  | 370                         | U  |
| Di-n-Octyl Phthalate         | 290                      | J  | 180                        | J  | 270                      | J | 60                         | J  | 240                        | J  | 380                       | J  | 63                          | J  |
| Benzo (b) Fluoranthene       | 420                      | U  | 350                        | U  | 180                      | J | 360                        | U  | 370                        | U  | 360                       | U  | 370                         | U  |
| Benzo (k) Fluoranthene       | 420                      | UJ | 350                        | UJ | 79                       | J | 360                        | UJ | 370                        | UJ | 360                       | UJ | 370                         | UJ |
| Benzo (a) Pyrene             | 420                      | U  | 350                        | U  | 360                      | U | 360                        | U  | 370                        | U  | 360                       | U  | 370                         | U  |
| Indeno (1,2,3-cd) Pyrene     | 420                      | U  | 350                        | U  | 200                      | J | 360                        | U  | 370                        | U  | 360                       | U  | 370                         | U  |
| Dibenz (a,h) Anthracene      | 420                      | U  | 350                        | U  | 42                       | J | 360                        | U  | 370                        | U  | 360                       | U  | 370                         | U  |
| Benzo(g,h,i) Perylene        | 420                      | U  | 350                        | U  | 1400                     |   | 360                        | U  | 370                        | U  | 360                       | U  | 370                         | U  |

Soil Boring Sample Test Results  
Semi-Volatile Organic Compounds

Remedial Investigation  
Stuart-Oliver-Holtz  
Site No. 8-28-079  
Henrietta, New York

| Parameter                    | SB-8<br>10-12'<br>10/24/94<br>(ug/kg) |   | OW-5S<br>14-16'<br>11/2/94<br>(ug/kg) |   | OW-6S<br>10-12'<br>11/3/94<br>(ug/kg) |   | OW-6S<br>20-22'<br>11/4/94<br>(ug/kg) |   | OW-2S<br>34-36'<br>11/9/94<br>(ug/kg) |   | OW-6S<br>2-4'<br>11/3/94<br>(ug/kg) |   | OW-4R<br>34-36'<br>10/15/94<br>(ug/kg) |   |
|------------------------------|---------------------------------------|---|---------------------------------------|---|---------------------------------------|---|---------------------------------------|---|---------------------------------------|---|-------------------------------------|---|----------------------------------------|---|
|                              | Q                                     |   | Q                                     |   | Q                                     |   | Q                                     |   | Q                                     |   | Q                                   |   | Q                                      |   |
| 4-Nitrophenol                | 930                                   | U | 900                                   | U | 880                                   | U | 880                                   | U | 890                                   | U | 930                                 | U | 900                                    | U |
| Dibenzofuran                 | 370                                   | U | 360                                   | U | 350                                   | U | 350                                   | U | 350                                   | U | 370                                 | U | 360                                    | U |
| 2,4-Dinitrotoluene           | 370                                   | U | 360                                   | U | 350                                   | U | 350                                   | U | 350                                   | U | 370                                 | U | 360                                    | U |
| Diethylphthalate             | 370                                   | U | 360                                   | U | 350                                   | U | 350                                   | U | 350                                   | U | 370                                 | U | 360                                    | U |
| 4-Chlorophenyl-Phenylether   | 370                                   | U | 360                                   | U | 350                                   | U | 350                                   | U | 350                                   | U | 370                                 | U | 360                                    | U |
| Fluorene                     | 370                                   | U | 360                                   | U | 350                                   | U | 350                                   | U | 350                                   | U | 370                                 | U | 360                                    | U |
| 4-Nitroaniline               | 930                                   | U | 900                                   | U | 880                                   | U | 880                                   | U | 890                                   | U | 930                                 | U | 900                                    | U |
| 4,6-Dinitro-2-Methylphenol   | 930                                   | U | 900                                   | U | 880                                   | U | 880                                   | U | 890                                   | U | 930                                 | U | 900                                    | U |
| N-Nitrosodiphenylamine       | 370                                   | U | 360                                   | U | 350                                   | U | 350                                   | U | 350                                   | U | 370                                 | U | 360                                    | U |
| 4-Bromophenyl-phenylether    | 370                                   | U | 360                                   | U | 350                                   | U | 350                                   | U | 350                                   | U | 370                                 | U | 360                                    | U |
| Hexachlorobenzene            | 370                                   | U | 360                                   | U | 350                                   | U | 350                                   | U | 350                                   | U | 370                                 | U | 360                                    | U |
| Pentachlorophenol            | 930                                   | U | 900                                   | U | 880                                   | U | 880                                   | U | 890                                   | U | 930                                 | U | 900                                    | U |
| Phenanthrene                 | 370                                   | U | 360                                   | U | 350                                   | U | 350                                   | U | 350                                   | U | 370                                 | U | 360                                    | U |
| Anthracene                   | 370                                   | U | 360                                   | U | 350                                   | U | 350                                   | U | 350                                   | U | 370                                 | U | 360                                    | U |
| Carbazole                    | 370                                   | U | 360                                   | U | 350                                   | U | 350                                   | U | 350                                   | U | 370                                 | U | 360                                    | U |
| Di-n-Butylphthalate          | 370                                   | U | 360                                   | U | 350                                   | U | 350                                   | U | 350                                   | U | 370                                 | U | 360                                    | U |
| Fluoranthene                 | 370                                   | U | 360                                   | U | 350                                   | U | 350                                   | U | 350                                   | U | 370                                 | U | 360                                    | U |
| Pyrene                       | 370                                   | U | 360                                   | U | 350                                   | U | 350                                   | U | 350                                   | U | 370                                 | U | 360                                    | U |
| Butylbenzylphthalate         | 370                                   | U | 360                                   | U | 350                                   | U | 350                                   | U | 350                                   | U | 370                                 | U | 360                                    | U |
| 3,3'-Dichlorobenzidine       | 370                                   | U | 360                                   | U | 350                                   | U | 350                                   | U | 350                                   | U | 370                                 | U | 360                                    | U |
| Benzo (a) Anthracene         | 370                                   | U | 360                                   | U | 350                                   | U | 350                                   | U | 350                                   | U | 370                                 | U | 360                                    | U |
| Chrysene                     | 370                                   | U | 360                                   | U | 350                                   | U | 350                                   | U | 350                                   | U | 370                                 | U | 360                                    | U |
| Bis (2-Ethylhexyl) Phthalate | 370                                   | U | 360                                   | U | 350                                   | U | 350                                   | U | 350                                   | U | 370                                 | U | 360                                    | U |
| Di-n-Octyl Phthalate         | 28                                    | J | 350                                   | J | 350                                   | U | 350                                   | U | 49                                    | J | 370                                 | U | 360                                    | U |
| Benzo (b) Fluoranthene       | 370                                   | U | 360                                   | U | 350                                   | U | 350                                   | U | 350                                   | U | 370                                 | U | 360                                    | U |
| Benzo (k) Fluoranthene       | 370                                   | U | 360                                   | U | 350                                   | U | 350                                   | U | 350                                   | U | 370                                 | U | 360                                    | U |
| Benzo (a) Pyrene             | 370                                   | U | 360                                   | U | 350                                   | U | 350                                   | U | 350                                   | U | 370                                 | U | 360                                    | U |
| Indeno (1,2,3-cd) Pyrene     | 370                                   | U | 360                                   | U | 350                                   | U | 350                                   | U | 350                                   | U | 370                                 | U | 360                                    | U |
| Dibenz (a,h) Anthracene      | 370                                   | U | 360                                   | U | 350                                   | U | 350                                   | U | 350                                   | U | 370                                 | U | 360                                    | U |
| Benzo (g,h,i) Perylene       | 370                                   | U | 360                                   | U | 350                                   | U | 350                                   | U | 350                                   | U | 370                                 | U | 360                                    | U |

Soil Boring Sample Test Results  
Semi-Volatile Organic Compounds

Remedial Investigation  
Stuart-Oliver-Holtz  
Site No. 8-28-079  
Henrietta, New York

| Parameter                    | OW-7R<br>34-36'<br>11/19/94 |    | OW-4R<br>42-44'<br>11/18/94 |    | OW-7R<br>40-42'<br>11/22/94 |    | OW-4S<br>8-10'<br>11/22/94 |    | OW-6S<br>0-2'<br>11/28/94 |    | OW-7S<br>28-30'<br>11/28/94 |    | OW-7S<br>8-10'<br>11/28/94 |    |
|------------------------------|-----------------------------|----|-----------------------------|----|-----------------------------|----|----------------------------|----|---------------------------|----|-----------------------------|----|----------------------------|----|
|                              | (ug/kg)                     | Q  | (ug/kg)                     | Q  | (ug/kg)                     | Q  | (ug/kg)                    | Q  | (ug/kg)                   | Q  | (ug/kg)                     | Q  | (ug/kg)                    | Q  |
| 4-Nitrophenol                | 880                         | U  | 950                         | U  | 870                         | U  | 900                        | U  | 1000                      | U  | 980                         | U  | 930                        | U  |
| Dibenzofuran                 | 350                         | U  | 380                         | U  | 870                         | U  | 360                        | U  | 400                       | U  | 390                         | U  | 930                        | U  |
| 2,4-Dinitrotoluene           | 350                         | U  | 380                         | U  | 350                         | U  | 360                        | U  | 400                       | U  | 390                         | U  | 370                        | U  |
| Diethylphthalate             | 350                         | U  | 380                         | U  | 350                         | U  | 360                        | U  | 400                       | U  | 390                         | U  | 370                        | U  |
| 4-Chlorophenyl-Phenylether   | 350                         | UJ | 380                         | UJ | 350                         | U  | 360                        | U  | 400                       | U  | 390                         | U  | 370                        | U  |
| Fluorene                     | 350                         | UJ | 380                         | UJ | 350                         | U  | 360                        | U  | 400                       | U  | 390                         | U  | 370                        | U  |
| 4-Nitroaniline               | 880                         | U  | 380                         | U  | 870                         | U  | 900                        | UJ | 1000                      | U  | 980                         | U  | 930                        | U  |
| 4,6-Dinitro-2-Methylphenol   | 880                         | U  | 380                         | U  | 870                         | UJ | 900                        | UJ | 1000                      | U  | 980                         | U  | 930                        | U  |
| N-Nitrosodiphenylamine       | 350                         | U  | 380                         | U  | 350                         | U  | 360                        | U  | 400                       | U  | 390                         | U  | 370                        | U  |
| 4-Bromophenyl-phenylether    | 350                         | U  | 380                         | U  | 350                         | U  | 360                        | U  | 400                       | U  | 390                         | U  | 370                        | U  |
| Hexachlorobenzene            | 350                         | U  | 380                         | U  | 350                         | U  | 360                        | U  | 400                       | U  | 390                         | U  | 370                        | U  |
| Pentachlorophenol            | 880                         | U  | 380                         | U  | 870                         | U  | 900                        | U  | 1000                      | U  | 980                         | U  | 930                        | U  |
| Phenanthrene                 | 350                         | U  | 380                         | U  | 350                         | U  | 360                        | U  | 100                       | J  | 390                         | U  | 370                        | U  |
| Anthracene                   | 350                         | U  | 380                         | U  | 350                         | U  | 360                        | U  | 400                       | U  | 390                         | U  | 370                        | U  |
| Carbazole                    | 350                         | U  | 380                         | U  | 350                         | U  | 360                        | U  | 400                       | U  | 390                         | U  | 370                        | U  |
| Di-n-Butylphthalate          | 79                          | J  | 110                         | J  | 350                         | U  | 360                        | U  | 200                       | J  | 390                         | U  | 70                         | J  |
| Fluoranthene                 | 350                         | U  | 380                         | U  | 350                         | U  | 360                        | U  | 260                       | J  | 390                         | U  | 370                        | U  |
| Pyrene                       | 25                          | J  | 380                         | U  | 350                         | U  | 360                        | U  | 200                       | J  | 36                          | J  | 370                        | U  |
| Butylbenzylphthalate         | 350                         | U  | 380                         | U  | 350                         | U  | 360                        | U  | 140                       | J  | 390                         | U  | 370                        | U  |
| 3,3'-Dichlorobenzidine       | 350                         | U  | 380                         | U  | 350                         | U  | 360                        | U  | 400                       | U  | 390                         | U  | 370                        | U  |
| Benzo (a) Anthracene         | 350                         | U  | 380                         | U  | 350                         | U  | 360                        | U  | 100                       | J  | 390                         | U  | 370                        | U  |
| Chrysene                     | 350                         | U  | 380                         | U  | 350                         | U  | 360                        | U  | 190                       | J  | 390                         | U  | 370                        | U  |
| Bis (2-Ethylhexyl) Phthalate | 28                          | J  | 85                          | J  | 40                          | J  | 360                        | U  | 120                       | J  | 390                         | U  | 66                         | J  |
| Di-n-Octyl Phthalate         | 350                         | U  | 380                         | U  | 350                         | U  | 360                        | U  | 400                       | U  | 390                         | U  | 370                        | U  |
| Benzo (b) Fluoranthene       | 350                         | U  | 380                         | U  | 350                         | U  | 360                        | U  | 160                       | J  | 390                         | U  | 370                        | U  |
| Benzo (k) Fluoranthene       | 350                         | U  | 380                         | U  | 350                         | UJ | 360                        | UJ | 120                       | UJ | 390                         | UJ | 370                        | UJ |
| Benzo (a) Pyrene             | 350                         | U  | 380                         | U  | 350                         | U  | 360                        | U  | 110                       | J  | 390                         | U  | 370                        | U  |
| Indeno (1,2,3-cd) Pyrene     | 350                         | U  | 380                         | U  | 350                         | U  | 360                        | U  | 120                       | J  | 390                         | U  | 370                        | U  |
| Dibenz (a,h) Anthracene      | 350                         | U  | 380                         | U  | 350                         | U  | 360                        | U  | 38                        | J  | 390                         | U  | 370                        | U  |
| Benzo(g,h,i) Perylene        | 350                         | U  | 380                         | U  | 350                         | UJ | 360                        | UJ | 29                        | J  | 390                         | U  | 370                        | U  |

Soil Boring Sample Test Results  
PCB's/Pesticides

Remedial Investigation  
Stuart-Oliver-Holtz  
Site No. 8-28-079  
Henrietta, New York

| Parameter          | SB-1<br>2-4'<br>10/18/94 |    | SB-1<br>24-26'<br>10/19/94 |    | SB-4<br>0-2'<br>10/19/94 |    | SB-4<br>18-20'<br>10/19/94 |    | SB-4<br>24-26'<br>10/19/94 |    | SB-7<br>0.5-2'<br>10/24/94 |    | SB-8<br>10-12'<br>10/24/94 |    |
|--------------------|--------------------------|----|----------------------------|----|--------------------------|----|----------------------------|----|----------------------------|----|----------------------------|----|----------------------------|----|
|                    | (ug/kg)                  | Q  | (ug/kg)                    | Q  | (ug/kg)                  | Q  | (ug/kg)                    | Q  | (ug/kg)                    | Q  | (ug/kg)                    | Q  | (ug/kg)                    | Q  |
| <b>PESTICIDES</b>  |                          |    |                            |    |                          |    |                            |    |                            |    |                            |    |                            |    |
| alpha-BHC          | 2.1                      | UJ | 1.8                        | UJ | 1.8                      | UJ | 1.8                        | UJ | 1.9                        | UJ | 1.9                        | UJ | 1.9                        | UJ |
| beta-BHC           | 2.1                      | U  | 1.8                        | U  | 1.8                      | U  | 1.8                        | U  | 1.9                        | U  | 1.9                        | U  | 1.9                        | U  |
| delta-BHC          | 2.1                      | UJ | 1.8                        | UJ | 1.8                      | UJ | 1.8                        | UJ | 1.9                        | UJ | 1.9                        | UJ | 1.9                        | UJ |
| gamma-BHC          | 2.1                      | U  | 1.8                        | U  | 1.8                      | U  | 1.8                        | U  | 1.9                        | U  | 1.9                        | U  | 1.9                        | U  |
| Heptachlor         | 2.1                      | U  | 1.8                        | U  | 1.8                      | U  | 1.8                        | U  | 1.9                        | U  | 1.9                        | U  | 1.9                        | U  |
| Aldrin             | 2.1                      | U  | 1.8                        | U  | 1.8                      | U  | 1.8                        | U  | 1.9                        | U  | 1.9                        | U  | 1.9                        | U  |
| Heptachlor Epoxide | 2.1                      | U  | 1.8                        | U  | 1.8                      | U  | 1.8                        | U  | 1.9                        | U  | 1.9                        | U  | 1.9                        | U  |
| Endosulfan I       | 2.1                      | U  | 1.8                        | U  | 1.8                      | U  | 1.8                        | U  | 1.9                        | U  | 1.9                        | U  | 1.9                        | U  |
| Dieldrin           | 4.2                      | U  | 3.5                        | U  | 3.5                      | U  | 3.6                        | U  | 3.7                        | U  | 3.8                        | U  | 3.7                        | U  |
| 4,4'-DDE           | 4.2                      | U  | 3.5                        | U  | 3.5                      | U  | 3.6                        | U  | 3.7                        | U  | 3.8                        | U  | 3.7                        | U  |
| Endrin             | 4.2                      | U  | 3.5                        | U  | 3.5                      | U  | 3.6                        | U  | 3.7                        | U  | 3.8                        | U  | 3.7                        | U  |
| Endosulfan II      | 4.2                      | U  | 3.5                        | U  | 3.5                      | U  | 3.6                        | U  | 3.7                        | U  | 3.8                        | U  | 3.7                        | U  |
| 4,4'-DDD           | 4.2                      | U  | 3.5                        | U  | 3.5                      | U  | 3.6                        | U  | 3.7                        | U  | 3.8                        | U  | 3.7                        | U  |
| Endosulfan Sulfate | 4.2                      | U  | 3.5                        | U  | 3.5                      | U  | 3.6                        | U  | 3.7                        | U  | 3.8                        | U  | 3.7                        | U  |
| 4,4'-DDT           | 4.2                      | U  | 3.5                        | U  | 3.5                      | U  | 3.6                        | U  | 3.7                        | U  | 3.8                        | U  | 3.7                        | U  |
| Methoxychlor       | 21                       | U  | 18                         | U  | 18                       | U  | 18                         | U  | 19                         | U  | 19                         | U  | 19                         | U  |
| Endrin Ketone      | 4.2                      | U  | 3.5                        | U  | 3.5                      | U  | 3.6                        | U  | 3.7                        | U  | 3.8                        | U  | 3.7                        | U  |
| Endrin Aldehyde    | 4.2                      | U  | 3.5                        | U  | 3.5                      | U  | 3.6                        | U  | 3.7                        | U  | 3.8                        | U  | 3.7                        | U  |
| alpha-Chlordane    | 2.1                      | U  | 1.8                        | U  | 1.8                      | U  | 1.8                        | U  | 1.9                        | U  | 1.9                        | U  | 1.9                        | U  |
| gamma-Chlordane    | 2.1                      | U  | 1.8                        | U  | 1.8                      | U  | 1.8                        | U  | 1.9                        | U  | 1.9                        | U  | 1.9                        | U  |
| Toxaphene          | 210                      | U  | 180                        | U  | 180                      | U  | 180                        | U  | 190                        | U  | 190                        | U  | 190                        | U  |
| <b>PCB's</b>       |                          |    |                            |    |                          |    |                            |    |                            |    |                            |    |                            |    |
| Aroclor-1016       | 42                       | U  | 35                         | U  | 35                       | U  | 36                         | U  | 37                         | U  | 38                         | U  | 37                         | U  |
| Aroclor-1221       | 84                       | U  | 71                         | U  | 71                       | U  | 72                         | U  | 74                         | U  | 76                         | U  | 74                         | U  |
| Aroclor-1232       | 42                       | U  | 35                         | U  | 35                       | U  | 36                         | U  | 37                         | U  | 38                         | U  | 37                         | U  |
| Aroclor-1242       | 42                       | U  | 35                         | U  | 35                       | U  | 36                         | U  | 37                         | U  | 38                         | U  | 37                         | U  |
| Aroclor-1248       | 42                       | U  | 35                         | U  | 35                       | U  | 36                         | U  | 37                         | U  | 38                         | U  | 37                         | U  |
| Aroclor-1254       | 42                       | U  | 35                         | U  | 35                       | U  | 36                         | U  | 37                         | U  | 38                         | U  | 37                         | U  |
| Aroclor-1260       | 42                       | U  | 35                         | U  | 35                       | U  | 36                         | U  | 37                         | U  | 38                         | U  | 37                         | U  |

Soil Boring Sample Test Results  
PCB's/Pesticides

Remedial Investigation  
Stuart-Oliver-Holtz  
Site No. 8-28-079  
Henrietta, New York

| Parameter          | OW-1R<br>6-8'<br>10/20/94 |    | OW-1R<br>22-23'<br>10/20/94 |    | OW-5S<br>14-16'<br>11/2/94 |    | OW-6S<br>10-12'<br>11/3/94 |    | OW-6S<br>20-22'<br>11/4/94 |    | OW-2S<br>32-34'<br>11/9/94 |    | OW-4R<br>34-36'<br>10/15/94 |    |
|--------------------|---------------------------|----|-----------------------------|----|----------------------------|----|----------------------------|----|----------------------------|----|----------------------------|----|-----------------------------|----|
|                    | (ug/kg)                   | Q  | (ug/kg)                     | Q  | (ug/kg)                    | Q  | (ug/kg)                    | Q  | (ug/kg)                    | Q  | (ug/kg)                    | Q  | (ug/kg)                     | Q  |
| PESTICIDES         |                           |    |                             |    |                            |    |                            |    |                            |    |                            |    |                             |    |
| alpha-BHC          | 1.8                       | UJ | 1.9                         | UJ | 1.8                        | UJ | 1.8                        | UJ | 1.8                        | UJ | 1.8                        | UJ | 1.8                         | UJ |
| beta-BHC           | 1.8                       | U  | 1.9                         | U  | 1.8                        | UJ | 1.8                        | UJ | 1.8                        | U  | 1.8                        | U  | 1.8                         | UJ |
| delta-BHC          | 1.8                       | UJ | 1.9                         | UJ | 1.8                        | UJ | 1.8                        | UJ | 1.8                        | UJ | 1.8                        | UJ | 1.8                         | UJ |
| gamma-BHC          | 1.8                       | U  | 1.9                         | U  | 1.8                        | U  | 1.8                        | U  | 1.8                        | U  | 1.8                        | U  | 1.8                         | U  |
| Heptachlor         | 1.8                       | U  | 1.9                         | U  | 1.8                        | U  | 1.8                        | U  | 1.8                        | U  | 1.8                        | U  | 1.8                         | U  |
| Aldrin             | 1.8                       | U  | 1.9                         | U  | 1.8                        | U  | 1.8                        | U  | 1.8                        | U  | 1.8                        | U  | 1.8                         | U  |
| Heptachlor Epoxide | 1.8                       | U  | 1.9                         | U  | 1.8                        | U  | 1.8                        | U  | 1.8                        | U  | 1.8                        | U  | 1.8                         | U  |
| Endosulfan I       | 1.8                       | U  | 1.9                         | U  | 1.8                        | U  | 1.8                        | U  | 1.8                        | U  | 1.8                        | U  | 1.8                         | U  |
| Dieldrin           | 3.6                       | U  | 3.7                         | U  | 3.6                        | U  | 3.5                        | U  | 3.5                        | U  | 3.5                        | U  | 3.6                         | U  |
| 4,4'-DDE           | 3.6                       | U  | 3.7                         | U  | 3.6                        | U  | 3.5                        | U  | 3.5                        | U  | 3.5                        | U  | 3.6                         | U  |
| Endrin             | 3.6                       | U  | 3.7                         | U  | 3.6                        | U  | 3.5                        | U  | 3.5                        | U  | 3.5                        | U  | 3.6                         | U  |
| Endosulfan II      | 3.6                       | U  | 3.7                         | U  | 3.6                        | U  | 3.5                        | U  | 3.5                        | U  | 3.5                        | U  | 3.6                         | U  |
| 4,4'-DDD           | 3.6                       | U  | 3.7                         | U  | 3.6                        | U  | 3.5                        | U  | 3.5                        | U  | 3.5                        | U  | 3.6                         | U  |
| Endosulfan Sulfate | 3.6                       | U  | 3.7                         | U  | 3.6                        | U  | 3.5                        | U  | 3.5                        | U  | 3.5                        | U  | 3.6                         | U  |
| 4,4'-DDT           | 3.6                       | U  | 3.7                         | U  | 3.6                        | U  | 3.5                        | U  | 3.5                        | U  | 3.5                        | U  | 3.6                         | U  |
| Methoxychlor       | 18                        | U  | 19                          | U  | 18                         | U  | 18                         | U  | 18                         | U  | 18                         | U  | 18                          | U  |
| Endrin Ketone      | 3.6                       | U  | 3.7                         | U  | 3.6                        | U  | 3.5                        | U  | 3.5                        | U  | 3.5                        | U  | 3.6                         | U  |
| Endrin Aldehyde    | 3.6                       | U  | 3.7                         | U  | 3.6                        | U  | 3.5                        | U  | 3.5                        | U  | 3.5                        | U  | 3.6                         | U  |
| alpha-Chlordane    | 1.8                       | U  | 1.9                         | U  | 1.8                        | U  | 1.8                        | U  | 1.8                        | U  | 1.8                        | U  | 1.8                         | U  |
| gamma-Chlordane    | 1.8                       | U  | 1.9                         | U  | 1.8                        | U  | 1.8                        | U  | 1.8                        | U  | 1.8                        | U  | 1.8                         | U  |
| Toxaphene          | 180                       | U  | 190                         | U  | 180                        | U  | 180                        | U  | 180                        | U  | 180                        | U  | 180                         | U  |
| PCB's              |                           |    |                             |    |                            |    |                            |    |                            |    |                            |    |                             |    |
| Aroclor-1016       | 36                        | U  | 37                          | U  | 36                         | U  | 35                         | U  | 35                         | U  | 35                         | U  | 36                          | U  |
| Aroclor-1221       | 72                        | U  | 75                          | U  | 72                         | U  | 70                         | U  | 70                         | U  | 71                         | U  | 72                          | U  |
| Aroclor-1232       | 36                        | U  | 37                          | U  | 36                         | U  | 35                         | U  | 35                         | U  | 35                         | U  | 36                          | U  |
| Aroclor-1242       | 36                        | U  | 37                          | U  | 36                         | U  | 35                         | U  | 35                         | U  | 35                         | U  | 36                          | U  |
| Aroclor-1248       | 36                        | U  | 37                          | U  | 36                         | U  | 35                         | U  | 35                         | U  | 35                         | U  | 36                          | U  |
| Aroclor-1254       | 36                        | U  | 37                          | U  | 36                         | U  | 35                         | U  | 35                         | U  | 35                         | U  | 36                          | U  |
| Aroclor-1260       | 36                        | U  | 37                          | U  | 36                         | U  | 35                         | U  | 35                         | U  | 35                         | U  | 36                          | U  |

Soil Boring Sample Test Results  
PCB's/Pesticides

Remedial Investigation  
Stuart-Oliver-Holtz  
Site No. 8-28-079  
Henrietta, New York

| Parameter          | OW-7R<br>34-36'<br>11/19/94 |    | OW-4R<br>42-44'<br>11/18/94 |    | OW-7R<br>40-42'<br>11/22/94 |    | OW-4S<br>8-10'<br>11/22/94 |    | OW-6S<br>0-2'<br>11/28/94 |    | OW-7S<br>28-30'<br>11/28/94 |   | OW-7S<br>8-10'<br>11/28/94 |    |
|--------------------|-----------------------------|----|-----------------------------|----|-----------------------------|----|----------------------------|----|---------------------------|----|-----------------------------|---|----------------------------|----|
|                    | (ug/kg)                     | Q  | (ug/kg)                     | Q  | (ug/kg)                     | Q  | (ug/kg)                    | Q  | (ug/kg)                   | Q  | (ug/kg)                     | Q | (ug/kg)                    | Q  |
| <b>PESTICIDES</b>  |                             |    |                             |    |                             |    |                            |    |                           |    |                             |   |                            |    |
| alpha-BHC          | 1.8                         | UJ | 1.9                         | UJ | 1.7                         | UJ | 1.8                        | UJ | 2                         | UJ | 2                           | U | 1.9                        | UJ |
| beta-BHC           | 1.8                         | UJ | 1.9                         | UJ | 1.7                         | UJ | 1.8                        | UJ | 2                         | UJ | 2                           | U | 1.9                        | UJ |
| delta-BHC          | 1.8                         | UJ | 1.9                         | UJ | 1.7                         | UJ | 1.8                        | UJ | 2                         | UJ | 2                           | U | 1.9                        | UJ |
| gamma-BHC          | 1.8                         | U  | 1.9                         | U  | 1.7                         | U  | 1.8                        | U  | 2                         | U  | 2                           | U | 1.9                        | U  |
| Heptachlor         | 1.8                         | U  | 1.9                         | U  | 1.7                         | U  | 1.8                        | U  | 2                         | U  | 2                           | U | 1.9                        | U  |
| Aldrin             | 1.8                         | U  | 1.9                         | U  | 1.7                         | U  | 1.8                        | U  | 2                         | U  | 2                           | U | 1.9                        | U  |
| Heptachlor Epoxide | 1.8                         | U  | 1.9                         | U  | 1.7                         | U  | 1.8                        | U  | 2                         | U  | 2                           | U | 1.9                        | U  |
| Endosulfan I       | 1.8                         | U  | 1.9                         | U  | 1.7                         | U  | 1.8                        | U  | 2                         | U  | 2                           | U | 1.9                        | U  |
| Dieldrin           | 3.5                         | U  | 3.8                         | U  | 3.5                         | U  | 3.6                        | U  | 4                         | U  | 3.9                         | U | 3.7                        | U  |
| 4,4'-DDE           | 3.5                         | U  | 3.8                         | U  | 3.5                         | U  | 3.6                        | U  | 4                         | U  | 3.9                         | U | 3.7                        | U  |
| Endrin             | 3.5                         | U  | 3.8                         | U  | 3.5                         | U  | 3.6                        | U  | 4                         | U  | 3.9                         | U | 3.7                        | U  |
| Endosulfan II      | 3.5                         | U  | 3.8                         | U  | 3.5                         | U  | 3.6                        | U  | 4                         | U  | 3.9                         | U | 3.7                        | U  |
| 4,4'-DDD           | 3.5                         | U  | 3.8                         | U  | 3.5                         | U  | 3.6                        | U  | 4                         | U  | 3.9                         | U | 3.7                        | U  |
| Endosulfan Sulfate | 3.5                         | U  | 3.8                         | U  | 3.5                         | U  | 3.6                        | U  | 4                         | U  | 3.9                         | U | 3.7                        | U  |
| 4,4'-DDT           | 3.5                         | U  | 3.8                         | U  | 3.5                         | U  | 3.6                        | U  | 4                         | U  | 3.9                         | U | 3.7                        | U  |
| Methoxychlor       | 18                          | U  | 19                          | U  | 17                          | U  | 18                         | U  | 20                        | U  | 20                          | U | 19                         | U  |
| Endrin Ketone      | 3.5                         | U  | 3.8                         | U  | 3.5                         | U  | 3.6                        | U  | 4                         | U  | 3.9                         | U | 3.7                        | U  |
| Endrin Aldehyde    | 3.5                         | U  | 3.8                         | U  | 3.5                         | U  | 3.6                        | U  | 4                         | U  | 3.9                         | U | 3.7                        | U  |
| alpha-Chlordane    | 1.8                         | U  | 1.9                         | U  | 1.7                         | U  | 1.8                        | U  | 2                         | U  | 2                           | U | 1.9                        | U  |
| gamma-Chlordane    | 1.8                         | U  | 1.9                         | U  | 1.7                         | U  | 1.8                        | U  | 2                         | U  | 2                           | U | 1.9                        | U  |
| Toxaphene          | 180                         | U  | 190                         | U  | 170                         | U  | 180                        | U  | 200                       | U  | 200                         | U | 190                        | U  |
| <b>PCB's</b>       |                             |    |                             |    |                             |    |                            |    |                           |    |                             |   |                            |    |
| Aroclor-1016       | 35                          | U  | 38                          | U  | 35                          | U  | 36                         | U  | 40                        | U  | 39                          | U | 37                         | U  |
| Aroclor-1221       | 70                          | U  | 76                          | U  | 69                          | U  | 72                         | U  | 80                        | U  | 78                          | U | 74                         | U  |
| Aroclor-1232       | 35                          | U  | 38                          | U  | 35                          | U  | 36                         | U  | 40                        | U  | 39                          | U | 37                         | U  |
| Aroclor-1242       | 35                          | U  | 38                          | U  | 35                          | U  | 36                         | U  | 40                        | U  | 39                          | U | 37                         | U  |
| Aroclor-1248       | 35                          | U  | 38                          | U  | 35                          | U  | 36                         | U  | 40                        | U  | 39                          | U | 37                         | U  |
| Aroclor-1254       | 35                          | U  | 38                          | U  | 35                          | U  | 36                         | U  | 40                        | U  | 39                          | U | 37                         | U  |
| Aroclor-1260       | 35                          | U  | 38                          | U  | 35                          | U  | 36                         | U  | 40                        | U  | 39                          | U | 37                         | U  |

Soil Boring Sample Test Results  
Metals/Others

Remedial Investigation  
Stuart-Oliver-Holtz  
Site No. 8-28-079  
Henrietta, New York

| Parameter     | SB-1<br>2-4'<br>10/18/94 |   | SB-1<br>24-26'<br>10/19/94 |   | SB-4<br>0-2'<br>10/19/94 |   | SB-4<br>18-20'<br>10/19/94 |   | SB-4<br>24-26'<br>10/19/94 |   | SB-8<br>10-12'<br>10/24/94 |   |
|---------------|--------------------------|---|----------------------------|---|--------------------------|---|----------------------------|---|----------------------------|---|----------------------------|---|
|               | (mg/kg)                  | Q | (mg/kg)                    | Q | (mg/kg)                  | Q | (mg/kg)                    | Q | (mg/kg)                    | Q | (mg/kg)                    | Q |
| <b>METALS</b> |                          |   |                            |   |                          |   |                            |   |                            |   |                            |   |
| Aluminum      | 20400                    |   | 3500                       |   | 5640                     |   | 2350                       |   | 2940                       |   | 2710                       |   |
| Antimony      | 3                        | U | 2.5                        | U | 2.6                      | U | 2.6                        | U | 2.7                        | U | 2.7                        | U |
| Arsenic       | 8.8                      | J | 1.2                        | J | 6.7                      | J | 1.4                        | B | 1.5                        | J | 2.3                        | J |
| Barium        | 153                      |   | 25.6                       | B | 111                      |   | 17.5                       | B | 39.6                       | B | 27.8                       | B |
| Beryllium     | 1                        | B | 0.21                       | U | 0.25                     | B | 0.22                       | U | 0.22                       | U | 0.22                       | U |
| Cadmium       | 0.8                      | B | 0.64                       | U | 0.8                      | B | 0.65                       | U | 0.67                       | U | 0.67                       | U |
| Calcium       | 4930                     |   | 51200                      |   | 64100                    |   | 52300                      |   | 53300                      |   | 47900                      |   |
| Chromium      | 26.8                     |   | 6                          |   | 16.5                     |   | 3.9                        |   | 4.7                        |   | 4.2                        |   |
| Cobalt        | 13.9                     |   | 3.3                        | B | 5                        | B | 2.5                        | B | 2.7                        | B | 2.6                        | B |
| Copper        | 22.1                     |   | 8.9                        |   | 30.8                     |   | 6.7                        |   | 7.7                        |   | 11.7                       |   |
| Iron          | 30700                    |   | 7360                       |   | 10500                    |   | 5870                       |   | 6340                       |   | 6980                       |   |
| Lead          | 13.2                     |   | 4.6                        |   | 57.6                     |   | 5.6                        |   | 5.6                        |   | 3.9                        |   |
| Magnesium     | 7240                     |   | 23900                      |   | 26600                    |   | 24200                      |   | 25300                      |   | 21500                      |   |
| Manganese     | 726                      |   | 264                        |   | 357                      |   | 221                        |   | 250                        |   | 264                        |   |
| Mercury       | 0.15                     | U | 0.13                       | U | 0.13                     | U | 0.13                       | U | 0.14                       | U | 0.14                       | U |
| Nickel        | 35.3                     |   | 6                          | B | 106                      |   | 5.3                        | B | 7.4                        | B | 5.7                        | B |
| Potassium     | 2590                     |   | 1360                       |   | 1590                     |   | 974                        | B | 1230                       |   | 893                        | B |
| Selenium      | 0.5                      | U | 0.42                       | U | 11.2                     |   | 0.43                       | U | 0.44                       | U | 0.45                       | U |
| Silver        | 0.5                      | U | 0.42                       | U | 0.43                     | U | 0.43                       | U | 0.44                       | U | 0.45                       | U |
| Sodium        | 354                      | B | 142                        | B | 144                      | B | 155                        | B | 163                        | B | 165                        | B |
| Thallium      | 0.81                     | B | 0.21                       | U | 0.21                     | U | 0.22                       | U | 0.22                       | U | 0.22                       | U |
| Vanadium      | 37                       |   | 8.8                        | B | 12.2                     |   | 7.3                        | B | 6.1                        | B | 7.8                        | B |
| Zinc          | 65.1                     |   | 31                         |   | 101                      |   | 22.2                       |   | 20.6                       |   | 36.5                       |   |
| <b>OTHERS</b> |                          |   |                            |   |                          |   |                            |   |                            |   |                            |   |
| Cyanide       | 1.3                      | U | 1.1                        | U | 1.1                      | U | 1.1                        | U | 1.1                        | U | 1.1                        | U |
| TOC           | 50000                    | U | 42000                      | U | 42000                    | U | 43000                      | U | 44000                      | U | 45000                      | U |

Soil Boring Sample Test Results  
Metals/Others

Remedial Investigation  
Stuart-Oliver-Holtz  
Site No. 8-28-079  
Henrietta, New York

| Parameter | OW-1R<br>6-8'<br>10/20/94<br>(mg/kg) | OW-1R<br>22-23'<br>10/20/94<br>(mg/kg) | OW-5S<br>14-16'<br>11/2/94<br>(mg/kg) | OW-6S<br>10-12'<br>11/3/94<br>(mg/kg) | OW-6S<br>20-22'<br>11/4/94<br>(mg/kg) | OW-2S<br>32-34'<br>11/9/94<br>(mg/kg) | OW-4R<br>34-36'<br>10/15/94<br>(mg/kg) |
|-----------|--------------------------------------|----------------------------------------|---------------------------------------|---------------------------------------|---------------------------------------|---------------------------------------|----------------------------------------|
| METALS    |                                      |                                        |                                       |                                       |                                       |                                       |                                        |
| Aluminum  | 2790                                 | 1820                                   | 6520                                  | 4100                                  | 4430                                  | 7650                                  | 5050                                   |
| Antimony  | 2.6                                  | 2.7                                    | 2.6                                   | 2.5                                   | 2.5                                   | 2.6                                   | 2.6                                    |
| Arsenic   | 1.1                                  | 1.3                                    | 1.4                                   | 5.8                                   | 3                                     | 8                                     | 2.4                                    |
| Barium    | 19.6                                 | 16.6                                   | 49.9                                  | 32.5                                  | 55.5                                  | 55.5                                  | 39.5                                   |
| Beryllium | 0.22                                 | 0.23                                   | 0.28                                  | 0.21                                  | 0.21                                  | 0.38                                  | 0.24                                   |
| Cadmium   | 0.65                                 | 0.68                                   | 0.65                                  | 1.1                                   | 0.63                                  | 0.64                                  | 0.64                                   |
| Calcium   | 46600                                | 38800                                  | 53700                                 | 107000                                | 63400                                 | 57400                                 | 58800                                  |
| Chromium  | 4                                    | 2.8                                    | 8.9                                   | 5.5                                   | 6.2                                   | 9.5                                   | 8.2                                    |
| Cobalt    | 2.3                                  | 1.5                                    | 4.3                                   | 4.3                                   | 5.4                                   | 14.3                                  | 4.2                                    |
| Copper    | 8.2                                  | 4.3                                    | 9.7                                   | 11.1                                  | 18.4                                  | 26.6                                  | 8.6                                    |
| Iron      | 6230                                 | 4310                                   | 11200                                 | 9430                                  | 9460                                  | 15100                                 | 10400                                  |
| Lead      | 5                                    | 5                                      | 5.9                                   | 8.2                                   | 10.4                                  | 21.5                                  | 5.9                                    |
| Magnesium | 19800                                | 16100                                  | 21100                                 | 38200                                 | 31600                                 | 27100                                 | 23500                                  |
| Manganese | 236                                  | 195                                    | 313                                   | 349                                   | 280                                   | 336                                   | 336                                    |
| Mercury   | 0.13                                 | 0.14                                   | 0.13                                  | 0.11                                  | 0.11                                  | 0.11                                  | 0.33                                   |
| Nickel    | 5.6                                  | 4.7                                    | 8.4                                   | 9.5                                   | 9.7                                   | 26                                    | 7.5                                    |
| Potassium | 824                                  | 492                                    | 2410                                  | 1040                                  | 1720                                  | 3000                                  | 1630                                   |
| Selenium  | 0.43                                 | 0.45                                   | 0.22                                  | 0.21                                  | 0.21                                  | 0.21                                  | 0.21                                   |
| Silver    | 0.43                                 | 0.45                                   | 0.43                                  | 0.42                                  | 0.42                                  | 0.43                                  | 0.43                                   |
| Sodium    | 165                                  | 93.1                                   | 333                                   | 165                                   | 161                                   | 159                                   | 173                                    |
| Thallium  | 0.22                                 | 0.23                                   | 0.22                                  | 0.21                                  | 0.46                                  | 0.38                                  | 0.21                                   |
| Vanadium  | 7.1                                  | 4.2                                    | 16.1                                  | 9.6                                   | 7.9                                   | 12                                    | 12.6                                   |
| Zinc      | 27.9                                 | 16.9                                   | 30.1                                  | 143                                   | 22.5                                  | 40.7                                  | 29.4                                   |
| OTHERS    |                                      |                                        |                                       |                                       |                                       |                                       |                                        |
| Cyanide   | 1.1                                  | 1.1                                    | 1.1                                   | 1.1                                   | 1.1                                   | 1.1                                   | 1.1                                    |
| TOC       |                                      |                                        |                                       |                                       |                                       |                                       |                                        |



Soil Boring Sample Test Results  
Metals/Others

Remedial Investigation  
Stuart-Oliver-Holtz  
Site No. 8-28-079  
Henrietta, New York

| Parameter | OW-7R<br>34-36'<br>11/19/94 |     | OW-4R<br>42-44'<br>11/18/94 |      | OW-7R<br>40-42'<br>11/22/94 |      | OW-4S<br>8-10'<br>11/22/94 |     | OW-6S<br>0-2'<br>11/28/94 |    | OW-7S<br>28-30'<br>11/28/94 |    | OW-7S<br>8-10'<br>11/28/94 |    |
|-----------|-----------------------------|-----|-----------------------------|------|-----------------------------|------|----------------------------|-----|---------------------------|----|-----------------------------|----|----------------------------|----|
|           | (mg/kg)                     | Q   | (mg/kg)                     | Q    | (mg/kg)                     | Q    | (mg/kg)                    | Q   | (mg/kg)                   | Q  | (mg/kg)                     | Q  | (mg/kg)                    | Q  |
| METALS    |                             |     |                             |      |                             |      |                            |     |                           |    |                             |    |                            |    |
| Aluminum  | 4840                        |     | 11100                       |      | 4180                        |      | 22800                      |     | 10300                     |    | 2080                        |    | 3070                       |    |
| Antimony  | 2.5                         | UNJ | 2.7                         | UNJ  | 2.5                         | UNJ  | 2.6                        | UNJ | 3.2                       | B  | 2.8                         | U  | 3.5                        | B  |
| Arsenic   | 1.2                         | WBJ | 0.95                        | WBNJ | 1.8                         | SBNJ | 7.2                        | SNJ | 5.3                       | S  | 0.48                        | B  | 2.4                        | S  |
| Barium    | 33.3                        | B   | 122                         |      | 41.1                        | B    | 150                        |     | 64                        | EJ | 18.5                        | BE | 36.5                       | BE |
| Beryllium | 0.24                        | B   | 0.5                         | B    | 0.21                        | B    | 1.1                        |     | 0.41                      | B  | 0.23                        | U  | 0.22                       | U  |
| Cadmium   | 0.63                        | U   | 0.68                        | U    | 1.1                         |      | 0.65                       | U   | 0.72                      | U  | 0.7                         | U  | 0.67                       | U  |
| Calcium   | 54200                       |     | 83100                       |      | 59900                       |      | 43000                      |     | 24800                     |    | 41700                       |    | 59300                      |    |
| Chromium  | 7.7                         |     | 13.6                        |      | 6.9                         |      | 30.3                       |     | 17.3                      |    | 3.8                         | J  | 5.2                        | J  |
| Cobalt    | 3.9                         | B   | 3.6                         | B    | 4.2                         | B    | 11.5                       |     | 7.4                       | B  | 2.1                         | B  | 4.3                        | B  |
| Copper    | 8.9                         |     | 3.3                         | B    | 9.7                         |      | 22.2                       |     | 17.6                      |    | 7.1                         |    | 8.9                        |    |
| Iron      | 9320                        |     | 20100                       |      | 8310                        |      | 32400                      |     | 16400                     |    | 5450                        |    | 7310                       |    |
| Lead      | 3.2                         | *BJ | 2.6                         | *BJ  | 9                           | J* + | 9.7                        | S*J | 5.8                       | S  | 4.1                         |    | 7                          | S  |
| Magnesium | 20400                       |     | 38900                       |      | 24700                       |      | 12700                      |     | 8500                      |    | 17900                       |    | 23200                      |    |
| Manganese | 265                         |     | 311                         |      | 272                         |      | 355                        |     | 424                       |    | 211                         |    | 322                        |    |
| Mercury   | 0.13                        | U   | 0.14                        | U    | 0.13                        | U    | 0.13                       | U   | 1.1                       |    | 0.14                        | U  | 0.14                       | U  |
| Nickel    | 7.6                         | B   | 10.1                        |      | 13.5                        |      | 32.4                       |     | 38                        |    | 2.8                         | U  | 5.4                        | B  |
| Potassium | 2040                        |     | 6250                        |      | 1860                        |      | 4350                       |     | 1630                      |    | 401                         | U  | 956                        | B  |
| Selenium  | 0.21                        | WUJ | 0.23                        | WUJ  | 0.21                        | WUJ  | 0.22                       | WUJ | 1.4                       |    | 0.23                        | U  | 0.22                       | U  |
| Silver    | 0.42                        | U   | 0.46                        | U    | 0.42                        | U    | 0.43                       | U   | 0.48                      | U  | 0.47                        | U  | 0.45                       | U  |
| Sodium    | 173                         | B   | 250                         | B    | 172                         | B    | 244                        | B   | 213                       | B  | 120                         | B  | 117                        | B  |
| Thallium  | 0.21                        | UW  | 0.23                        | UW   | 0.21                        | UW   | 0.22                       | UW  | 0.24                      | UW | 0.23                        | U  | 0.22                       | U  |
| Vanadium  | 11.8                        |     | 17                          |      | 7.9                         | B    | 46                         |     | 19.4                      |    | 6.5                         | B  | 7.9                        | B  |
| Zinc      | 26.5                        |     | 26.3                        |      | 31.6                        |      | 76.7                       |     | 56.3                      | *  | 20.7                        | *  | 32.5                       | *  |
| OTHERS    |                             |     |                             |      |                             |      |                            |     |                           |    |                             |    |                            |    |
| Cyanide   | 1.1                         | U   | 1.1                         | U    | 1                           | U    | 1.1                        | U   | 1.6                       |    | 1.2                         | U  | 1.1                        | U  |
| TOC       |                             |     |                             |      |                             |      |                            |     |                           |    |                             |    |                            |    |

**Round 2 Soil Boring Test Results**

Round 2 Soil Boring Test Results  
Volatile Organic Compounds

Remedial Investigation  
Stuart-Oliver-Holtz  
Site No. 8-28-079  
Henrietta, New York

| Parameter                   | Units | OW-8S<br>8-10' |    | OW-10S<br>18-21' |    | OW-11S<br>26-32' |    | OW-8S<br>6-12' |    | OW-8S<br>32-34' |    |
|-----------------------------|-------|----------------|----|------------------|----|------------------|----|----------------|----|-----------------|----|
|                             |       | 6/20/95        | Q  | 6/21/95          | Q  | 6/22/95          | Q  | 6/26/95        | Q  | 6/26/95         | Q  |
| Chloromethane               | ug/kg | 11             | U  | 11               | U  | 11               | U  | 11             | UJ | 11              | UJ |
| Bromomethane                | ug/kg | 11             | U  | 11               | U  | 11               | U  | 11             | U  | 11              | U  |
| Vinyl chloride              | ug/kg | 11             | U  | 11               | U  | 11               | U  | 11             | UJ | 11              | UJ |
| Chloroethane                | ug/kg | 11             | U  | 11               | U  | 11               | U  | 11             | UJ | 11              | UJ |
| Methylene chloride          | ug/kg | 11             | U  | 11               | U  | 11               | U  | 11             | U  | 11              | U  |
| Acetone                     | ug/kg | 11             | U  | 11               | U  | 11               | U  | 11             | U  | 18              | U  |
| Carbon disulfide            | ug/kg | 11             | U  | 11               | U  | 11               | U  | 11             | UJ | 11              | UJ |
| 1,1-Dichloroethane          | ug/kg | 11             | U  | 11               | U  | 11               | U  | 11             | U  | 11              | U  |
| 1,1-Dichloroethane          | ug/kg | 11             | U  | 11               | U  | 11               | U  | 2              | U  | 11              | U  |
| 1,2-Dichloroethane (total)  | ug/kg | 11             | U  | 11               | U  | 11               | U  | 11             | U  | 11              | U  |
| Chloroform                  | ug/kg | 11             | U  | 11               | U  | 11               | U  | 11             | U  | 11              | U  |
| 1,2-Dichloroethane          | ug/kg | 11             | UJ | 11               | UJ | 11               | UJ | 11             | U  | 11              | U  |
| 2-Butanone (MEK)            | ug/kg | 11             | UJ | 11               | UJ | 11               | UJ | 11             | U  | 11              | U  |
| 1,1,1-Trichloroethane       | ug/kg | 11             | U  | 11               | U  | 11               | U  | 7              | U  | 11              | U  |
| Carbon tetrachloride        | ug/kg | 11             | U  | 11               | U  | 11               | U  | 11             | U  | 11              | U  |
| Bromodichloromethane        | ug/kg | 11             | U  | 11               | U  | 11               | U  | 11             | U  | 11              | U  |
| 1,2-Dichloropropane         | ug/kg | 11             | U  | 11               | U  | 11               | U  | 11             | U  | 11              | U  |
| cis-1,3-Dichloropropene     | ug/kg | 11             | U  | 11               | U  | 11               | U  | 11             | U  | 11              | U  |
| Trichloroethane (TCE)       | ug/kg | 11             | U  | 11               | U  | 11               | U  | 8              | U  | 11              | U  |
| Dibromochloromethane        | ug/kg | 11             | U  | 11               | U  | 11               | U  | 11             | U  | 11              | U  |
| 1,1,2-Trichloroethane       | ug/kg | 11             | U  | 11               | U  | 11               | U  | 11             | U  | 11              | U  |
| Benzene                     | ug/kg | 11             | U  | 11               | U  | 11               | U  | 11             | U  | 11              | U  |
| trans-1,3-Dichloropropene   | ug/kg | 11             | U  | 11               | U  | 11               | U  | 11             | U  | 11              | U  |
| Bromoform                   | ug/kg | 11             | U  | 11               | U  | 11               | U  | 11             | U  | 11              | U  |
| 4-Methyl-2-pentanone (MIBK) | ug/kg | 11             | U  | 11               | U  | 11               | U  | 11             | U  | 11              | U  |
| 2-Hexanone                  | ug/kg | 11             | U  | 11               | U  | 11               | U  | 11             | U  | 11              | U  |
| Tetrachloroethane           | ug/kg | 11             | U  | 11               | U  | 11               | U  | 43             | U  | 11              | U  |
| 1,1,2,2-Tetrachloroethane   | ug/kg | 11             | U  | 11               | U  | 11               | U  | 11             | U  | 11              | U  |
| Toluene                     | ug/kg | 11             | U  | 11               | U  | 11               | U  | 11             | U  | 11              | U  |
| Chlorobenzene               | ug/kg | 11             | U  | 11               | U  | 11               | U  | 11             | U  | 11              | U  |
| Ethylbenzene                | ug/kg | 11             | U  | 11               | U  | 11               | U  | 11             | U  | 11              | U  |
| Styrene                     | ug/kg | 11             | U  | 11               | U  | 11               | U  | 11             | U  | 11              | U  |
| Xylenes (total)             | ug/kg | 11             | U  | 11               | U  | 11               | U  | 11             | U  | 11              | U  |

Round 2 Soil Boring Test Results  
Volatile Organic Compounds

Remedial Investigation  
Stuart-Oliver-Holtz  
Site No. 8-28-078  
Henrietta, New York

| Parameter                   | Units | SB-16<br>12-14' |    | FB-5    |    | OW-20S<br>0-2' |   | SB-17<br>16-18' |    | SB-16<br>26-28' |    |
|-----------------------------|-------|-----------------|----|---------|----|----------------|---|-----------------|----|-----------------|----|
|                             |       | 6/20/95         | Q  | 6/20/95 | Q  | 6/26/95        | Q | 6/19/95         | Q  | 6/20/95         | Q  |
| Chloromethane               | ug/kg | 12              | U  | 10      | U  | 11             | U | 12              | U  | 12              | U  |
| Bromomethane                | ug/kg | 12              | U  | 10      | U  | 11             | U | 12              | U  | 12              | U  |
| Vinyl chloride              | ug/kg | 12              | U  | 10      | U  | 11             | U | 12              | U  | 12              | U  |
| Chloroethane                | ug/kg | 12              | U  | 10      | U  | 11             | U | 12              | U  | 12              | U  |
| Methylene chloride          | ug/kg | 12              | U  | 1.3     | J  | 11             | U | 12              | U  | 12              | U  |
| Acetone                     | ug/kg | 12              | U  | 10      | U  | 11             | U | 12              | U  | 12              | U  |
| Carbon disulfide            | ug/kg | 12              | U  | 10      | UJ | 11             | U | 12              | U  | 12              | U  |
| 1,1-Dichloroethene          | ug/kg | 12              | U  | 10      | U  | 11             | U | 12              | U  | 12              | U  |
| 1,1,1-Trichloroethane       | ug/kg | 12              | U  | 10      | U  | 7              | J | 12              | U  | 12              | U  |
| 1,2-Dichloroethene (total)  | ug/kg | 12              | U  | 10      | U  | 2              | J | 12              | U  | 12              | U  |
| Chloroform                  | ug/kg | 12              | U  | 10      | U  | 11             | U | 12              | U  | 12              | U  |
| 1,2-Dichloroethane          | ug/kg | 12              | UJ | 10      | U  | 2              | J | 12              | UJ | 12              | UJ |
| 2-Butanone (MEK)            | ug/kg | 12              | UJ | 10      | UJ | 11             | U | 12              | UJ | 12              | UJ |
| 1,1,1-Trichloroethane       | ug/kg | 12              | U  | 10      | U  | 25             | U | 12              | U  | 12              | U  |
| Carbon tetrachloride        | ug/kg | 12              | U  | 10      | U  | 11             | U | 12              | U  | 12              | U  |
| Bromodichloromethane        | ug/kg | 12              | U  | 10      | U  | 11             | U | 12              | U  | 12              | U  |
| 1,2-Dichloropropane         | ug/kg | 12              | U  | 10      | U  | 11             | U | 12              | U  | 12              | U  |
| cis-1,3-Dichloropropene     | ug/kg | 12              | U  | 10      | U  | 11             | U | 12              | U  | 12              | U  |
| Trichloroethene (TCE)       | ug/kg | 12              | U  | 10      | U  | 21             | U | 12              | U  | 12              | U  |
| Dibromochloromethane        | ug/kg | 12              | U  | 10      | U  | 11             | U | 12              | U  | 12              | U  |
| 1,1,2-Trichloroethane       | ug/kg | 12              | U  | 10      | U  | 11             | U | 12              | U  | 12              | U  |
| Benzene                     | ug/kg | 12              | U  | 10      | U  | 11             | U | 12              | U  | 12              | U  |
| trans-1,3-Dichloropropene   | ug/kg | 12              | U  | 10      | U  | 11             | U | 12              | U  | 12              | U  |
| Bromoform                   | ug/kg | 12              | U  | 10      | U  | 11             | U | 12              | U  | 12              | U  |
| 4-Methyl-2-pentanone (MIBK) | ug/kg | 12              | U  | 10      | U  | 11             | U | 12              | U  | 12              | U  |
| 2-Hexanone                  | ug/kg | 12              | U  | 10      | U  | 11             | U | 12              | U  | 12              | U  |
| Tetrachloroethene           | ug/kg | 12              | U  | 10      | U  | 120            | U | 12              | U  | 12              | U  |
| 1,1,2,2-Tetrachloroethane   | ug/kg | 12              | U  | 10      | U  | 11             | U | 12              | U  | 12              | U  |
| Toluene                     | ug/kg | 12              | U  | 10      | J  | 11             | U | 12              | U  | 12              | U  |
| Chlorobenzene               | ug/kg | 12              | U  | 10      | U  | 11             | U | 12              | U  | 12              | U  |
| Ethylbenzene                | ug/kg | 12              | U  | 10      | U  | 11             | U | 12              | U  | 12              | U  |
| Styrene                     | ug/kg | 12              | U  | 10      | U  | 11             | U | 12              | U  | 12              | U  |
| Xylenes (total)             | ug/kg | 12              | U  | 1.3     | J  | 11             | U | 12              | U  | 12              | U  |

Round 2 Soil Boring Test Results  
Semi-Volatile Organic Compounds

Remedial Investigation  
Stuart-Oliver-Holtz  
Site No. 8-28-079  
Henrietta, New York

| Parameter                     | Units | OW-9S<br>8-10' | OW-10S<br>18-21' | OW-11S<br>26-32' | OW-8S<br>6-12' | OW-8S<br>32-34' |
|-------------------------------|-------|----------------|------------------|------------------|----------------|-----------------|
| Phenol                        | ug/kg | 480            | U                | 380              | U              | 390             |
| Bis(2-chloroethyl)ether       | ug/kg | 370            | UJ               | 370              | UJ             | 360             |
| 2-Chlorophenol                | ug/kg | 370            | U                | 370              | U              | 380             |
| 1,3-Dichlorobenzene           | ug/kg | 370            | U                | 370              | U              | 380             |
| 1,4-Dichlorobenzene           | ug/kg | 370            | U                | 370              | U              | 380             |
| 1,2-Dichlorobenzene           | ug/kg | 370            | U                | 370              | U              | 380             |
| 2-Methylphenol                | ug/kg | 370            | U                | 370              | U              | 380             |
| 2,2'-Oxybis (1-chloropropane) | ug/kg | 370            | U                | 370              | U              | 380             |
| 4-Methylphenol                | ug/kg | 370            | U                | 370              | U              | 380             |
| N-Nitrosodi-n-propylamine     | ug/kg | 370            | UJ               | 370              | UJ             | 380             |
| Hexachloroethane              | ug/kg | 370            | U                | 370              | U              | 380             |
| Nitrobenzene                  | ug/kg | 370            | U                | 370              | U              | 380             |
| Isophorone                    | ug/kg | 370            | U                | 370              | U              | 380             |
| 2-Nitrophenol                 | ug/kg | 370            | U                | 370              | U              | 380             |
| 2,4-Dimethylphenol            | ug/kg | 370            | U                | 370              | U              | 380             |
| Bis(2-chloroethoxy)methane    | ug/kg | 370            | U                | 370              | U              | 380             |
| 2,4-Dichlorophenol            | ug/kg | 370            | U                | 370              | U              | 380             |
| 1,2,4-Trichlorobenzene        | ug/kg | 370            | U                | 370              | U              | 380             |
| Naphthalene                   | ug/kg | 370            | U                | 370              | U              | 380             |
| 4-Chloroaniline               | ug/kg | 370            | U                | 370              | U              | 380             |
| Hexachlorobutadiene           | ug/kg | 370            | U                | 370              | U              | 380             |
| 4-Chloro-3-methylphenol       | ug/kg | 370            | U                | 370              | U              | 380             |
| 2-Methylnaphthalene           | ug/kg | 370            | U                | 370              | U              | 380             |
| Hexachlorocyclopentadiene     | ug/kg | 370            | UJ               | 370              | UJ             | 380             |
| 2,4,6-Trichlorophenol         | ug/kg | 370            | U                | 370              | U              | 380             |
| 2,4,5-Trichlorophenol         | ug/kg | 920            | U                | 930              | U              | 900             |
| 2-Chloronaphthalene           | ug/kg | 370            | U                | 370              | U              | 380             |
| 2-Nitroaniline                | ug/kg | 920            | U                | 930              | U              | 900             |
| Dimethyl phthalate            | ug/kg | 370            | U                | 370              | U              | 380             |
| Acenaphthylene                | ug/kg | 370            | U                | 370              | U              | 380             |
| 2,6-Dinitrotoluene            | ug/kg | 370            | U                | 370              | U              | 380             |
| 3-Nitroaniline                | ug/kg | 920            | U                | 930              | U              | 900             |
| Acenaphthene                  | ug/kg | 370            | U                | 370              | U              | 380             |
| 2,4-Dinitrophenol             | ug/kg | 920            | UJ               | 930              | UJ             | 900             |
| 4-Nitrophenol                 | ug/kg | 920            | U                | 930              | U              | 900             |
| Dibenzofuran                  | ug/kg | 370            | U                | 370              | U              | 380             |
| 2,4-Dinitrotoluene            | ug/kg | 370            | U                | 370              | U              | 380             |
| Diethyl phthalate             | ug/kg | 370            | U                | 370              | U              | 380             |
| 4-Chlorophenyl phenyl ether   | ug/kg | 370            | U                | 370              | U              | 380             |
| Fluorene                      | ug/kg | 370            | U                | 370              | U              | 380             |

Round 2 Soil Boring Test Results  
Semi-Volatile Organic Compounds

Remedial Investigation  
Stuart-Oliver-Holtz  
Site No. 8-28-079  
Henrietta, New York

| Parameter                     | Units | SB-16<br>12-14' | FB-5 | OW-20S<br>0-2' | SB-17<br>16-18' | SB-16<br>26-28' |
|-------------------------------|-------|-----------------|------|----------------|-----------------|-----------------|
|                               |       | 6/20/95         | Q    | 6/20/95        | Q               | 6/20/95         |
| Phenol                        | ug/kg | 410             | 10   | U              | 230             | 390             |
| Bis(2-chloroethyl)ether       | ug/kg | 390             | UJ   | UJ             | UJ              | UJ              |
| 2-Chlorophenol                | ug/kg | 390             | U    | U              | U               | U               |
| 1,3-Dichlorobenzene           | ug/kg | 390             | U    | U              | U               | U               |
| 1,4-Dichlorobenzene           | ug/kg | 390             | U    | U              | U               | U               |
| 1,2-Dichlorobenzene           | ug/kg | 390             | U    | U              | U               | U               |
| 2-Methylphenol                | ug/kg | 390             | U    | U              | U               | U               |
| 2,2'-Oxybis (1-chloropropane) | ug/kg | 390             | U    | U              | U               | U               |
| 4-Methylphenol                | ug/kg | 390             | U    | U              | U               | U               |
| N-Nitrosodi-n-propylamine     | ug/kg | 390             | UJ   | UJ             | UJ              | UJ              |
| Hexachloroethane              | ug/kg | 390             | U    | U              | U               | U               |
| Nitrobenzene                  | ug/kg | 390             | U    | U              | U               | U               |
| Isophorone                    | ug/kg | 390             | U    | U              | U               | U               |
| 2-Nitrophenol                 | ug/kg | 390             | U    | U              | U               | U               |
| 2,4-Dimethylphenol            | ug/kg | 390             | U    | U              | U               | U               |
| Bis(2-chloroethoxy)methane    | ug/kg | 390             | U    | U              | U               | U               |
| 2,4-Dichlorophenol            | ug/kg | 390             | U    | U              | U               | U               |
| 1,2,4-Trichlorobenzene        | ug/kg | 390             | U    | U              | U               | U               |
| Naphthalene                   | ug/kg | 390             | U    | U              | U               | U               |
| 4-Chloroaniline               | ug/kg | 390             | U    | U              | U               | U               |
| Hexachlorobutadiene           | ug/kg | 390             | U    | U              | U               | U               |
| 4-Chloro-3-methylphenol       | ug/kg | 390             | U    | U              | U               | U               |
| 2-Methylnaphthalene           | ug/kg | 390             | U    | U              | U               | U               |
| Hexachlorocyclopentadiene     | ug/kg | 390             | UJ   | UJ             | UJ              | UJ              |
| 2,4,6-Trichlorophenol         | ug/kg | 390             | U    | U              | U               | U               |
| 2,4,5-Trichlorophenol         | ug/kg | 970             | U    | U              | U               | U               |
| 2-Chloronaphthalene           | ug/kg | 390             | U    | U              | U               | U               |
| 2-Nitroaniline                | ug/kg | 970             | U    | U              | U               | U               |
| Dimethyl phthalate            | ug/kg | 390             | U    | U              | U               | U               |
| Acenaphthylene                | ug/kg | 390             | U    | U              | U               | U               |
| 2,6-Dinitrotoluene            | ug/kg | 390             | U    | U              | U               | U               |
| 3-Nitroaniline                | ug/kg | 970             | U    | U              | U               | U               |
| Acenaphthene                  | ug/kg | 390             | U    | U              | U               | U               |
| 2,4-Dinitrophenol             | ug/kg | 970             | UJ   | UJ             | UJ              | UJ              |
| 4-Nitrophenol                 | ug/kg | 970             | U    | U              | U               | U               |
| Dibenzofuran                  | ug/kg | 390             | U    | U              | U               | U               |
| 2,4-Dinitrotoluene            | ug/kg | 390             | U    | U              | U               | U               |
| Diethyl phthalate             | ug/kg | 390             | U    | U              | U               | U               |
| 4-Chlorophenyl phenyl ether   | ug/kg | 390             | U    | U              | U               | U               |
| Fluorene                      | ug/kg | 390             | U    | U              | U               | U               |

Round 2 Soil Boring Test Results  
Semi-Volatile Organic Compounds

Remedial Investigation  
Stuart-Oliver-Holtz  
Site No. 8-28-079  
Henrietta, New York

| Parameter                  | Units | OW-9S   |       | OW-10S  |        | OW-11S  |        | OW-8S   |        |
|----------------------------|-------|---------|-------|---------|--------|---------|--------|---------|--------|
|                            |       | 6/20/95 | 8-10' | 6/21/95 | 18-21' | 6/22/95 | 26-32' | 6/26/95 | 32-34' |
| 4-Nitroaniline             | ug/kg | 920     | U     | 920     | U      | 930     | U      | 950     | U      |
| 4,6-Dinitro-2-methylphenol | ug/kg | 920     | U     | 920     | U      | 930     | UJ     | 950     | UJ     |
| N-Nitrosodiphenylamine     | ug/kg | 370     | U     | 370     | U      | 370     | U      | 380     | U      |
| 4-Bromophenyl phenyl ether | ug/kg | 370     | U     | 370     | U      | 370     | U      | 380     | U      |
| Hexachlorobenzene          | ug/kg | 370     | U     | 370     | U      | 370     | U      | 380     | U      |
| Pentachlorophenol          | ug/kg | 920     | U     | 920     | U      | 930     | U      | 950     | U      |
| Phenanthrene               | ug/kg | 370     | U     | 370     | U      | 370     | U      | 380     | U      |
| Anthracene                 | ug/kg | 370     | U     | 370     | U      | 370     | U      | 380     | U      |
| Carbazole                  | ug/kg | 370     | U     | 370     | U      | 370     | U      | 380     | U      |
| Di-n-butyl phthalate       | ug/kg | 370     | U     | 370     | JB     | 700     | U      | 380     | U      |
| Fluoranthene               | ug/kg | 370     | U     | 370     | U      | 370     | U      | 380     | U      |
| Pyrene                     | ug/kg | 370     | U     | 370     | U      | 370     | U      | 380     | U      |
| Butyl benzyl phthalate     | ug/kg | 370     | U     | 370     | U      | 370     | U      | 380     | U      |
| 3,3'-Dichlorobenzidine     | ug/kg | 370     | U     | 370     | U      | 370     | U      | 380     | U      |
| Benzofluoranthene          | ug/kg | 370     | U     | 370     | U      | 370     | U      | 380     | U      |
| Chrysene                   | ug/kg | 370     | U     | 370     | U      | 370     | U      | 380     | U      |
| Bis(2-ethylhexyl)phthalate | ug/kg | 370     | U     | 370     | UB     | 370     | UB     | 380     | U      |
| Di-n-octyl phthalate       | ug/kg | 370     | U     | 370     | U      | 370     | U      | 380     | U      |
| Benzofluoranthene          | ug/kg | 370     | U     | 370     | U      | 370     | U      | 380     | U      |
| Benzofluoranthene          | ug/kg | 370     | U     | 370     | U      | 370     | U      | 380     | U      |
| Benzofluoranthene          | ug/kg | 370     | U     | 370     | U      | 370     | U      | 380     | U      |
| Indeno[1,2,3-cd]pyrene     | ug/kg | 370     | U     | 370     | U      | 370     | U      | 380     | U      |
| Dibenzofluoranthene        | ug/kg | 370     | U     | 370     | U      | 370     | U      | 380     | U      |
| Benzofluoranthene          | ug/kg | 370     | U     | 370     | U      | 370     | U      | 380     | U      |

Round 2 Soil Boring Test Results  
Semi-Volatile Organic Compounds

Remedial Investigation  
Stuart-Oliver-Holtz  
Site No. 8-28-079  
Henrietta, New York

| Parameter                  | Units | SB-16<br>12-14' |    | FB-5    |    | OW-20S<br>0-2' |    | SB-17<br>16-18' |    | SB-16<br>26-28' |    |
|----------------------------|-------|-----------------|----|---------|----|----------------|----|-----------------|----|-----------------|----|
|                            |       | 6/20/95         | Q  | 6/20/95 | Q  | 6/26/95        | Q  | 8/19/95         | Q  | 6/20/95         | Q  |
| 4-Nitroaniline             | ug/kg | 970             | U  | 25      | U  | 950            | U  | 970             | U  | 980             | U  |
| 4,6-Dinitro-2-methylphenol | ug/kg | 970             | UJ | 25      | UJ | 950            | U  | 970             | UJ | 980             | UJ |
| N-Nitrosodiphenylamine     | ug/kg | 390             | U  | 10      | U  | 380            | U  | 390             | U  | 390             | U  |
| 4-Bromophenyl phenyl ether | ug/kg | 390             | U  | 10      | U  | 380            | U  | 390             | U  | 390             | U  |
| Hexachlorobenzene          | ug/kg | 390             | U  | 10      | U  | 380            | U  | 390             | U  | 390             | U  |
| Pentachlorophenol          | ug/kg | 970             | U  | 25      | U  | 950            | U  | 970             | U  | 980             | U  |
| Phenanthrene               | ug/kg | 390             | U  | 10      | U  | 380            | U  | 390             | U  | 390             | U  |
| Anthracene                 | ug/kg | 390             | U  | 10      | U  | 380            | U  | 390             | U  | 390             | U  |
| Carbazole                  | ug/kg | 390             | U  | 10      | U  | 380            | U  | 390             | U  | 390             | U  |
| Di-n-butyl phthalate       | ug/kg | 640             | JB | 10      | U  | 120            | JB | 510             | JB | 61              | J  |
| Fluoranthene               | ug/kg | 390             | U  | 10      | U  | 380            | U  | 390             | U  | 390             | U  |
| Pyrene                     | ug/kg | 390             | U  | 10      | U  | 380            | U  | 390             | U  | 390             | U  |
| Butyl benzyl phthalate     | ug/kg | 390             | U  | 10      | U  | 380            | U  | 390             | U  | 390             | U  |
| 3,3'-Dichlorobenzidine     | ug/kg | 390             | U  | 10      | U  | 380            | U  | 390             | U  | 390             | U  |
| Benzo[a]anthracene         | ug/kg | 390             | U  | 10      | U  | 380            | U  | 390             | U  | 390             | U  |
| Chrysene                   | ug/kg | 390             | U  | 10      | U  | 380            | U  | 390             | U  | 390             | U  |
| Bis(2-ethylhexyl)phthalate | ug/kg | 390             | U  | 2       | JB | 380            | U  | 31              | J  | 390             | U  |
| Di-n-octyl phthalate       | ug/kg | 390             | U  | 10      | U  | 380            | U  | 390             | U  | 390             | U  |
| Benzo[b]fluoranthene       | ug/kg | 390             | U  | 10      | U  | 380            | U  | 390             | U  | 390             | U  |
| Benzo[k]fluoranthene       | ug/kg | 390             | U  | 10      | U  | 380            | U  | 390             | U  | 390             | U  |
| Benzo[a]pyrene             | ug/kg | 390             | U  | 10      | U  | 380            | U  | 390             | U  | 390             | U  |
| Indeno[1,2,3-cd]pyrene     | ug/kg | 390             | U  | 10      | U  | 380            | U  | 390             | U  | 390             | U  |
| Dibenz[a,h]anthracene      | ug/kg | 390             | U  | 10      | U  | 380            | U  | 390             | U  | 390             | U  |
| Benzo[g,h,i]perylene       | ug/kg | 390             | U  | 10      | U  | 380            | U  | 390             | U  | 390             | U  |



Round 2 Soil Boring Test Results  
Metals/Others

Remedial Investigation  
Stuart-Oliver-Holtz  
Site No. 8-28-079  
Henrietta, New York

| Parameter | Units | OW-9S<br>8-10' |     | OW-10S<br>18-21' |     | OW-11S<br>26-32' |     | OW-8S<br>6-12' |     | OW-8S<br>32-34' |     |
|-----------|-------|----------------|-----|------------------|-----|------------------|-----|----------------|-----|-----------------|-----|
|           |       | 6/20/95        | Q   | 6/21/95          | Q   | 6/22/95          | Q   | 6/26/95        | Q   | 6/26/95         | Q   |
| Aluminum  | mg/kg | 3430           | *   | 3080             | *   | 5540             | *   | 3060           | *   | 4660            | *   |
| Antimony  | mg/kg | 2.8            | U   | 2.9              | U   | 2.9              | U   | 2.9            | U   | 2.8             | U   |
| Arsenic   | mg/kg | 1.2            | BJ  | 1.7              | BS  | 0.86             | BJ  | 1              | BJ  | 1.4             | BJ  |
| Barium    | mg/kg | 40.2           | B   | 158              |     | 60.8             |     | 25.1           | B   | 38.2            | B   |
| Beryllium | mg/kg | 0.22           | U   | 0.22             | U   | 0.28             | B   | 0.23           | U   | 0.25            | B   |
| Cadmium   | mg/kg | 0.88           | U   | 0.88             | U   | 0.89             | U   | 0.9            | U   | 0.86            | U   |
| Calcium   | mg/kg | 50100          |     | 62500            |     | 80100            |     | 53100          |     | 59100           |     |
| Chromium  | mg/kg | 7.4            |     | 6.2              |     | 9.5              |     | 7              |     | 8.1             |     |
| Cobalt    | mg/kg | 3.7            | B   | 2.9              | B   | 3.6              | B   | 3.4            | B   | 4.2             | B   |
| Copper    | mg/kg | 10.3           | J   | 7.4              | J   | 3.6              | B   | 9.7            | J   | 9.8             | J   |
| Iron      | mg/kg | 9020           | *   | 7830             | *   | 12400            | *   | 8450           | *   | 10600           | *   |
| Lead      | mg/kg | 3.2            | S   | 3.3              | S   | 1.6              | S   | 4.0            | S   | 4.1             | S   |
| Magnesium | mg/kg | 18800          |     | 26700            |     | 42300            |     | 19700          |     | 22300           |     |
| Manganese | mg/kg | 260            |     | 251              |     | 299              |     | 282            |     | 309             |     |
| Mercury   | mg/kg | 0.1            | U   | 0.1              | U   | 0.11             | U   | 0.11           | U   | 0.1             | U   |
| Nickel    | mg/kg | 9.2            |     | 4.7              | B   | 8.5              | B   | 5.2            | B   | 8.3             | B   |
| Potassium | mg/kg | 1030           | B   | 1060             | B   | 2560             |     | 917            | B   | 1600            |     |
| Selenium  | mg/kg | 0.22           | UNJ | 0.22             | UNJ | 0.22             | UNJ | 0.23           | UNJ | 0.22            | UNJ |
| Silver    | mg/kg | 0.44           | U   | 0.44             | U   | 0.45             | U   | 0.45           | U   | 0.43            | U   |
| Sodium    | mg/kg | 154            | B   | 176              | B   | 201              | B   | 146            | B   | 194             | B   |
| Thallium  | mg/kg | 0.22           | U   | 0.22             | U   | 0.22             | U   | 0.23           | U   | 0.22            | U   |
| Vanadium  | mg/kg | 11.1           |     | 10.1             | B   | 9.7              | B   | 10.3           | B   | 13              |     |
| Zinc      | mg/kg |                | R   |                  | R   |                  | R   |                | R   |                 | R   |
| Cyanide   | mg/kg | 0.55           | U   | 0.55             | U   | 0.56             | U   | 0.57           | U   | 0.54            | U   |

Round 2 Soil Boring Test Results  
Metals/Others

Remedial Investigation  
Stuart-Oliver-Holtz  
Site No. 8-28-079  
Henrietta, New York

| Parameter | Units | SB-16<br>12-14' |     | FB-5    |    | OW-20S<br>0-2' |     | SB-17<br>16-18' |     | SB-18<br>26-28' |     |
|-----------|-------|-----------------|-----|---------|----|----------------|-----|-----------------|-----|-----------------|-----|
|           |       | 6/20/95         | Q   | 6/20/95 | Q  | 6/26/95        | Q   | 6/19/95         | Q   | 6/20/95         | Q   |
| Aluminum  | mg/kg | 2810            | *   | 3816    | B* | 3820           | *   | 1610            | *   | 3520            | *   |
| Antimony  | mg/kg | 3               | U   | 13      | U  | 3              | U   | 3               | U   | 3.1             | U   |
| Arsenic   | mg/kg | 1.1             | BJ  | 3       | U  | 1.8            | BJ  | 0.7             | U   | 1.1             | BJ  |
| Barium    | mg/kg | 31.3            | B   | 1       | U  | 24.7           | B   | 20.6            | B   | 27.5            | B   |
| Beryllium | mg/kg | 0.23            | U   | 1       | U  | 0.26           | B   | 0.23            | U   | 0.24            | U   |
| Cadmium   | mg/kg | 0.93            | U   | 4       | U  | 0.91           | U   | 0.94            | U   | 0.94            | U   |
| Calcium   | mg/kg | 62900           |     | 22      | U  | 50400          |     | 39400           |     | 48500           |     |
| Chromium  | mg/kg | 6.6             |     | 2       | U  | 7.9            |     | 3.6             |     | 7.9             |     |
| Cobalt    | mg/kg | 3.4             | B   | 2       | U  | 3.6            | B   | 2               | B   | 3.7             | B   |
| Copper    | mg/kg | 8.2             | J   | 2       | U  | 10.1           | J   | 6.3             | J   | 8.1             | J   |
| Iron      | mg/kg | 8490            | *   | 5.9     | B* | 9520           | *   | 5070            | *   | 9090            | *   |
| Lead      | mg/kg | 3.3             | S   | 1       | UJ | 5.5            | S   | 2               | S   | 4.1             | S   |
| Magnesium | mg/kg | 28200           |     | 18      | U  | 20100          |     | 18500           |     | 19500           |     |
| Manganese | mg/kg | 318             |     | 1.2     | B  | 281            |     | 198             |     | 266             |     |
| Mercury   | mg/kg | 0.11            | U   | 0.19    | U  | 0.11           | U   | 0.11            | U   | 0.11            | U   |
| Nickel    | mg/kg | 5               | B   | 9       | U  | 8.3            | B   | 3.1             | B   | 7.9             | B   |
| Potassium | mg/kg | 782             | B   | 750     | U  | 1170           |     | 419             | B   | 1120            | B   |
| Selenium  | mg/kg | 0.23            | UNJ | 1       | U  | 0.23           | UNJ | 0.23            | UNJ | 0.24            | UNJ |
| Silver    | mg/kg | 0.47            | U   | 2       | U  | 0.45           | U   | 0.47            | U   | 0.47            | U   |
| Sodium    | mg/kg | 163             | B   | 95      | B  | 163            | B   | 122             | B   | 157             | B   |
| Thallium  | mg/kg | 0.23            | U   | 1       | U  | 0.23           | U   | 0.23            | U   | 0.24            | U   |
| Vanadium  | mg/kg | 9.9             | B   | 3       | U  | 11.7           |     | 6.3             | B   | 11.4            | B   |
| Zinc      | mg/kg |                 | R   | 5.2     | B  |                | R   |                 | R   |                 | R   |
| Cyanide   | mg/kg | 0.58            | U   | 10      | U  | 0.57           | U   | 0.58            | U   | 0.59            | U   |

Round 2 Soil Boring Test Results  
PCB's/Pesticides

Remedial Investigation  
Stuart-Oliver-Holtz  
Site No. 8-28-079  
Henrietta, New York

| Parameter           | Units | OW-9S<br>8-10' |    | OW-10S<br>18-21' |    | OW-11S<br>26-32' |    | OW-8S<br>6-12' |    | OW-8S<br>32-34' |    |
|---------------------|-------|----------------|----|------------------|----|------------------|----|----------------|----|-----------------|----|
|                     |       | 6/20/95        | Q  | 6/21/95          | Q  | 6/22/95          | Q  | 6/26/95        | Q  | 6/26/95         | Q  |
| alpha-BHC           | ug/kg | 1.9            | UJ | 1.9              | UJ | 1.9              | UJ | 1.9            | U  | 1.8             | U  |
| beta-BHC            | ug/kg | 1.9            | U  | 1.9              | U  | 1.9              | U  | 1.9            | U  | 1.8             | U  |
| delta-BHC           | ug/kg | 1.9            | UJ | 1.9              | UJ | 1.9              | UJ | 1.9            | U  | 1.8             | U  |
| gamma-BHC (Lindane) | ug/kg | 1.9            | U  | 1.9              | U  | 1.9              | U  | 1.9            | U  | 1.8             | U  |
| Heptachlor          | ug/kg | 1.9            | U  | 1.9              | U  | 1.9              | U  | 1.9            | U  | 1.8             | U  |
| Aldrin              | ug/kg | 1.9            | U  | 1.9              | U  | 1.9              | U  | 1.9            | U  | 1.8             | U  |
| Heptachlor epoxide  | ug/kg | 1.9            | U  | 1.9              | U  | 1.9              | U  | 1.9            | U  | 1.8             | U  |
| Endosulfan I        | ug/kg | 1.9            | U  | 1.9              | U  | 1.9              | U  | 1.9            | U  | 1.8             | U  |
| Dieldrin            | ug/kg | 3.6            | U  | 3.6              | U  | 3.7              | U  | 3.7            | U  | 3.5             | U  |
| 4,4'-DDE            | ug/kg | 3.6            | U  | 3.6              | U  | 3.7              | U  | 3.7            | U  | 3.5             | U  |
| Endrin              | ug/kg | 3.6            | U  | 3.6              | U  | 3.7              | U  | 3.7            | U  | 3.5             | U  |
| Endosulfan II       | ug/kg | 3.6            | U  | 3.6              | U  | 3.7              | U  | 3.7            | U  | 3.5             | U  |
| 4,4'-DDD            | ug/kg | 3.6            | U  | 3.6              | U  | 3.7              | U  | 3.7            | U  | 3.5             | U  |
| Endosulfan sulfate  | ug/kg | 3.6            | UJ | 3.6              | UJ | 3.7              | UJ | 3.7            | U  | 3.5             | U  |
| 4,4'-DDT            | ug/kg | 3.6            | U  | 3.6              | U  | 3.7              | U  | 3.7            | U  | 3.5             | U  |
| Methoxychlor        | ug/kg | 19             | U  | 19               | U  | 19               | U  | 19             | UJ | 18              | UJ |
| Endrin ketone       | ug/kg | 3.6            | U  | 3.6              | U  | 3.7              | U  | 3.7            | U  | 3.5             | U  |
| Endrin aldehyde     | ug/kg | 3.6            | U  | 3.6              | U  | 3.7              | U  | 3.7            | U  | 3.5             | U  |
| alpha-Chlordane     | ug/kg | 1.9            | U  | 1.9              | U  | 1.9              | U  | 1.9            | U  | 1.8             | U  |
| gamma-Chlordane     | ug/kg | 1.9            | U  | 1.9              | U  | 1.9              | U  | 1.9            | U  | 1.8             | U  |
| Toxaphene           | ug/kg | 190            | U  | 190              | U  | 190              | U  | 190            | U  | 180             | U  |
| Aroclor 1016        | ug/kg | 36             | U  | 36               | U  | 37               | U  | 37             | U  | 35              | U  |
| Aroclor 1221        | ug/kg | 74             | U  | 74               | U  | 74               | U  | 76             | U  | 72              | U  |
| Aroclor 1232        | ug/kg | 36             | U  | 36               | U  | 37               | U  | 37             | U  | 35              | U  |
| Aroclor 1242        | ug/kg | 36             | U  | 36               | U  | 37               | U  | 37             | U  | 35              | U  |
| Aroclor 1248        | ug/kg | 36             | U  | 36               | U  | 37               | U  | 37             | U  | 35              | U  |
| Aroclor 1254        | ug/kg | 36             | U  | 36               | U  | 37               | U  | 37             | U  | 35              | U  |
| Aroclor 1260        | ug/kg | 36             | U  | 36               | U  | 37               | U  | 37             | U  | 35              | U  |

Round 2 Soil Boring Test Results  
PCB's/Pesticides

Remedial Investigation  
Stuart-Oliver-Holtz  
Site No. 8-28-079  
Henrietta, New York

| Parameter           | Units | SB-16<br>12-14' |    | FB-5    |    | OW-20S<br>0-2' |   | SB-17<br>16-18' |    | SB-18<br>26-28' |    |
|---------------------|-------|-----------------|----|---------|----|----------------|---|-----------------|----|-----------------|----|
|                     |       | 6/20/95         | Q  | 6/20/95 | Q  | 6/26/95        | Q | 6/19/95         | Q  | 6/20/95         | Q  |
| alpha-BHC           | ug/kg | 2               | UJ | 0.05    | UJ | 1.9            | U | 2               | UJ | 2               | UJ |
| beta-BHC            | ug/kg | 2               | U  | 0.05    | U  | 1.9            | U | 2               | U  | 2               | U  |
| delta-BHC           | ug/kg | 2               | UJ | 0.05    | UJ | 1.9            | U | 2               | UJ | 2               | UJ |
| gamma-BHC [Lindane] | ug/kg | 2               | U  | 0.05    | U  | 1.9            | U | 2               | U  | 2               | U  |
| Heptachlor          | ug/kg | 2               | U  | 0.05    | U  | 1.9            | U | 2               | U  | 2               | U  |
| Aldrin              | ug/kg | 2               | U  | 0.05    | U  | 1.9            | U | 2               | U  | 2               | U  |
| Heptachlor epoxide  | ug/kg | 2               | U  | 0.05    | U  | 1.9            | U | 2               | U  | 2               | U  |
| Endosulfan I        | ug/kg | 2               | U  | 0.05    | U  | 1.9            | U | 2               | U  | 2               | U  |
| Dieldrin            | ug/kg | 3.8             | U  | 0.1     | U  | 3.7            | U | 3.8             | U  | 3.9             | U  |
| 4,4'-DDE            | ug/kg | 3.8             | U  | 0.1     | U  | 3.7            | U | 3.8             | U  | 3.9             | U  |
| Endrin              | ug/kg | 3.8             | U  | 0.1     | U  | 3.7            | U | 3.8             | U  | 3.9             | U  |
| Endosulfan II       | ug/kg | 3.8             | UJ | 0.1     | UJ | 3.7            | U | 3.8             | U  | 3.9             | U  |
| 4,4'-DDD            | ug/kg | 3.8             | U  | 0.1     | U  | 3.7            | U | 3.8             | U  | 3.9             | U  |
| Endosulfan sulfate  | ug/kg | 3.8             | U  | 0.1     | U  | 3.7            | U | 3.8             | UJ | 3.9             | UJ |
| 4,4'-DDT            | ug/kg | 3.8             | U  | 0.1     | U  | 3.7            | U | 3.8             | U  | 3.9             | U  |
| Methoxychlor        | ug/kg | 20              | U  | 0.5     | U  | 19             | U | 20              | U  | 20              | U  |
| Endrin ketone       | ug/kg | 3.8             | U  | 0.1     | U  | 3.7            | U | 3.8             | U  | 3.9             | U  |
| Endrin aldehyde     | ug/kg | 3.8             | U  | 0.1     | U  | 3.7            | U | 3.8             | U  | 3.9             | U  |
| alpha-Chlordane     | ug/kg | 2               | U  | 0.05    | U  | 1.9            | U | 2               | U  | 2               | U  |
| gamma-Chlordane     | ug/kg | 2               | U  | 0.05    | U  | 1.9            | U | 2               | U  | 2               | U  |
| Toxaphene           | ug/kg | 200             | U  | 5       | U  | 190            | U | 200             | U  | 200             | U  |
| Aroclor 1016        | ug/kg | 38              | U  | 1       | U  | 37             | U | 38              | U  | 39              | U  |
| Aroclor 1221        | ug/kg | 78              | U  | 2       | U  | 76             | U | 78              | U  | 79              | U  |
| Aroclor 1232        | ug/kg | 38              | U  | 1       | U  | 37             | U | 38              | U  | 39              | U  |
| Aroclor 1242        | ug/kg | 38              | U  | 1       | U  | 37             | U | 38              | U  | 39              | U  |
| Aroclor 1248        | ug/kg | 38              | U  | 1       | U  | 37             | U | 38              | U  | 39              | U  |
| Aroclor 1254        | ug/kg | 38              | U  | 1       | U  | 37             | U | 38              | U  | 39              | U  |
| Aroclor 1260        | ug/kg | 38              | U  | 1       | U  | 37             | U | 38              | U  | 39              | U  |

### Test Pit Sample Results

Test Pit Sample Results  
Volatile Organic Compounds

Remedial Investigation  
Stuart-Oliver-Holtz  
Site No. 8-28-079  
Henrietta, New York

| Parameter                 | TP-1<br>11/3/94<br>(ug/kg) |    | TP-2<br>11/3/94<br>(ug/kg) |    | TP-3<br>11/3/94<br>(ug/kg) |    | TP-4<br>11/3/94<br>(ug/kg) |    | TP-5<br>11/3/94<br>(ug/kg) |    | TP-6<br>11/3/94<br>(ug/kg) |    |
|---------------------------|----------------------------|----|----------------------------|----|----------------------------|----|----------------------------|----|----------------------------|----|----------------------------|----|
|                           | Q                          |    | Q                          |    | Q                          |    | Q                          |    | Q                          |    | Q                          |    |
| Chloromethane             | 12                         | U  | 12                         | UJ | 12                         | U  | 11                         | UJ | 56                         | UJ | 11                         | UJ |
| Bromomethane              | 12                         | U  | 12                         | U  | 12                         | U  | 11                         | U  | 56                         | U  | 11                         | U  |
| Vinyl chloride            | 12                         | U  | 12                         | U  | 12                         | U  | 11                         | U  | 56                         | U  | 11                         | U  |
| Chloroethane              | 12                         | U  | 12                         | U  | 12                         | U  | 11                         | U  | 56                         | U  | 11                         | U  |
| Methylene chloride        | 19                         | J  | 10                         | U  | 10                         | U  | 11                         | UJ | 20                         | J  | 6                          | J  |
| Acetone                   | 12                         | UJ | 12                         | UJ | 12                         | UJ | 11                         | UJ | 56                         | UJ | 11                         | UJ |
| Carbon Disulfide          | 12                         | U  | 12                         | U  | 12                         | U  | 11                         | U  | 56                         | U  | 11                         | U  |
| 1,1-Dichloroethane        | 12                         | U  | 12                         | U  | 12                         | U  | 11                         | U  | 56                         | U  | 11                         | U  |
| 1,1-Dichloroethane        | 12                         | U  | 12                         | U  | 12                         | U  | 11                         | U  | 56                         | U  | 11                         | U  |
| 1,2-Dichloroethane(Total) | 12                         | UJ | 12                         | U  | 12                         | U  | 11                         | U  | 56                         | U  | 11                         | U  |
| Chloroform                | 5                          | J  | 12                         | U  | 6                          | J  | 11                         | U  | 56                         | U  | 11                         | U  |
| 1,2-Dichloroethane        | 12                         | UJ | 12                         | U  | 12                         | U  | 11                         | U  | 56                         | U  | 11                         | U  |
| 2-Butanone                | 12                         | UJ | 12                         | U  | 12                         | U  | 11                         | U  | 56                         | U  | 11                         | U  |
| 1,1,1-Trichloroethane     | 12                         | UJ | 12                         | U  | 12                         | U  | 11                         | U  | 200                        | J  | 11                         | U  |
| Carbon Tetrachloride      | 12                         | U  | 12                         | U  | 12                         | U  | 11                         | U  | 56                         | U  | 11                         | U  |
| Bromodichloromethane      | 12                         | UJ | 12                         | U  | 12                         | U  | 11                         | U  | 56                         | U  | 11                         | U  |
| 1,2-Dichloropropane       | 12                         | UJ | 12                         | U  | 12                         | U  | 11                         | U  | 56                         | U  | 11                         | U  |
| cis-1,3-Dichloropropene   | 12                         | UJ | 12                         | U  | 12                         | U  | 11                         | U  | 56                         | U  | 11                         | U  |
| Trichloroethane           | 12                         | U  | 12                         | U  | 12                         | U  | 11                         | U  | 56                         | U  | 11                         | U  |
| Dibromochloromethane      | 12                         | U  | 12                         | U  | 12                         | U  | 11                         | U  | 56                         | U  | 11                         | U  |
| 1,1,2-Trichloroethane     | 12                         | U  | 12                         | U  | 12                         | U  | 11                         | U  | 26                         | J  | 11                         | U  |
| Benzene                   | 12                         | U  | 12                         | U  | 12                         | U  | 11                         | U  | 56                         | U  | 11                         | U  |
| trans-1,3-Dichloropropene | 12                         | U  | 12                         | U  | 12                         | U  | 11                         | U  | 56                         | U  | 11                         | U  |
| Bromoform                 | 12                         | U  | 12                         | U  | 12                         | U  | 11                         | U  | 56                         | U  | 11                         | U  |
| 4-Methyl-2-Pentanone      | 12                         | UJ | 12                         | U  | 12                         | U  | 11                         | U  | 56                         | U  | 11                         | U  |
| 2-Hexanone                | 12                         | R  | 42                         | R  | 42                         | R  | 11                         | U  | 56                         | U  | 11                         | U  |
| Tetrachloroethane         | 12                         | U  | 12                         | U  | 12                         | U  | 11                         | U  | 56                         | U  | 11                         | U  |
| 1,1,2,2-Tetrachloroethane | 12                         | U  | 12                         | U  | 12                         | U  | 11                         | U  | 56                         | U  | 8                          | J  |
| Toluene                   | 3                          | UJ | 12                         | U  | 12                         | U  | 11                         | U  | 56                         | U  | 11                         | U  |
| Chlorobenzene             | 4                          | J  | 3                          | J  | 12                         | U  | 11                         | U  | 8                          | J  | 11                         | U  |
| Ethylbenzene              | 12                         | U  | 12                         | U  | 12                         | U  | 11                         | U  | 56                         | U  | 11                         | U  |
| Styrene                   | 12                         | U  | 12                         | U  | 12                         | U  | 11                         | U  | 56                         | U  | 11                         | U  |
| Xylene (total)            | 12                         | U  | 2                          | J  | 12                         | U  | 11                         | U  | 56                         | U  | 11                         | U  |

Test Pit Sample Results  
Semi-Volatile Organic Compounds

Remedial Investigation  
Stuart-Oliver-Holtz  
Site No. 8-28-079  
Henrietta, New York

| Parameter                     | TP-1<br>11/3/94<br>(ug/kg) |    | TP-2<br>11/3/94<br>(ug/kg) |    | TP-3<br>11/3/94<br>(ug/kg) |    | TP-4<br>11/3/94<br>(ug/kg) |    | TP-5<br>11/3/94<br>(ug/kg) |    | TP-6<br>11/3/94<br>(ug/kg) |    |
|-------------------------------|----------------------------|----|----------------------------|----|----------------------------|----|----------------------------|----|----------------------------|----|----------------------------|----|
|                               | Q                          |    | Q                          |    | Q                          |    | Q                          |    | Q                          |    | Q                          |    |
| Phenol                        | 410                        | U  | 400                        | U  | 390                        | U  | 360                        | U  | 370                        | U  | 370                        | U  |
| bis(2-chloroethyl) Ether      | 410                        | UJ | 400                        | UJ | 390                        | UJ | 360                        | UJ | 370                        | UJ | 370                        | UJ |
| 2-Chlorophenol                | 410                        | U  | 400                        | U  | 390                        | U  | 360                        | U  | 370                        | U  | 370                        | U  |
| 1,3-Dichlorobenzene           | 410                        | U  | 400                        | U  | 390                        | U  | 360                        | U  | 370                        | U  | 370                        | U  |
| 1,4-Dichlorobenzene           | 47                         | J  | 400                        | U  | 57                         | J  | 360                        | U  | 370                        | U  | 370                        | U  |
| 1,2 Dichlorobenzene           | 410                        | U  | 400                        | U  | 390                        | U  | 360                        | U  | 370                        | U  | 370                        | U  |
| 2-Methylphenol                | 410                        | U  | 400                        | U  | 390                        | U  | 360                        | U  | 370                        | U  | 370                        | U  |
| 2,2'-oxybis (1-chloropropane) | 410                        | UJ | 400                        | UJ | 390                        | UJ | 360                        | UJ | 370                        | UJ | 370                        | UJ |
| 4-Methylphenol                | 410                        | U  | 400                        | U  | 390                        | U  | 360                        | U  | 370                        | U  | 370                        | U  |
| N-Nitroso-Di-n-Propylamine    | 410                        | U  | 400                        | U  | 390                        | U  | 360                        | U  | 370                        | U  | 370                        | U  |
| Hexachloroethane              | 410                        | U  | 400                        | U  | 390                        | U  | 360                        | U  | 370                        | U  | 370                        | U  |
| Nitrobenzene                  | 410                        | U  | 400                        | U  | 390                        | U  | 360                        | U  | 370                        | U  | 370                        | U  |
| Isophorone                    | 410                        | U  | 400                        | U  | 390                        | U  | 360                        | U  | 370                        | U  | 370                        | U  |
| 2-Nitrophenol                 | 410                        | U  | 400                        | U  | 390                        | U  | 360                        | U  | 370                        | U  | 370                        | U  |
| 2,4-Dimethylphenol            | 410                        | U  | 400                        | U  | 390                        | U  | 360                        | U  | 370                        | U  | 370                        | U  |
| bis(2-Chloroethoxy)Methane    | 410                        | U  | 400                        | U  | 390                        | U  | 360                        | U  | 370                        | U  | 370                        | U  |
| 2,4-Dichlorophenol            | 410                        | U  | 400                        | U  | 390                        | U  | 360                        | U  | 370                        | U  | 370                        | U  |
| 1,2,4-Trichlorobenzene        | 410                        | U  | 400                        | U  | 390                        | U  | 360                        | U  | 370                        | U  | 370                        | U  |
| Naphthalene                   | 410                        | U  | 400                        | U  | 390                        | U  | 360                        | U  | 370                        | U  | 370                        | U  |
| 4-Chloroaniline               | 410                        | U  | 400                        | U  | 390                        | U  | 360                        | U  | 370                        | U  | 370                        | U  |
| Hexachlorobutadiene           | 410                        | U  | 400                        | U  | 390                        | U  | 360                        | U  | 370                        | U  | 370                        | U  |
| 4-Chloro-3-Methylphenol       | 410                        | U  | 400                        | U  | 390                        | U  | 360                        | U  | 370                        | U  | 370                        | U  |
| 2-Methylnaphthalene           | 410                        | U  | 400                        | U  | 390                        | U  | 360                        | U  | 370                        | U  | 370                        | U  |
| Hexachlorocyclopentadiene     | 410                        | U  | 400                        | U  | 390                        | U  | 360                        | U  | 370                        | U  | 370                        | U  |
| 2,4,6-Trichlorophenol         | 410                        | U  | 400                        | U  | 390                        | U  | 360                        | U  | 370                        | U  | 370                        | U  |
| 2,4,5-Trichlorophenol         | 1000                       | U  | 990                        | U  | 390                        | U  | 910                        | U  | 940                        | U  | 940                        | U  |
| 2-Chloronaphthalene           | 410                        | U  | 400                        | U  | 390                        | U  | 360                        | U  | 370                        | U  | 370                        | U  |
| 2-Nitroaniline                | 1000                       | UJ | 990                        | UJ | 980                        | UJ | 910                        | UJ | 940                        | UJ | 940                        | UJ |
| Dimethyl Phthalate            | 410                        | U  | 400                        | U  | 390                        | U  | 360                        | U  | 370                        | U  | 370                        | U  |
| Acenaphthylene                | 410                        | U  | 400                        | U  | 390                        | U  | 360                        | U  | 370                        | U  | 370                        | U  |
| 2,6-Dinitrotoluene            | 410                        | U  | 400                        | U  | 390                        | U  | 360                        | U  | 370                        | U  | 370                        | U  |
| 3-Nitroaniline                | 1000                       | U  | 990                        | U  | 980                        | U  | 910                        | U  | 940                        | U  | 940                        | U  |
| Acenaphthene                  | 410                        | U  | 400                        | U  | 390                        | U  | 360                        | U  | 370                        | U  | 370                        | U  |
| 2,4-Dinitrophenol             | 1000                       | UJ | 990                        | UJ | 980                        | UJ | 910                        | UJ | 940                        | UJ | 940                        | UJ |

Test Pit Sample Results  
Semi-Volatile Organic Compounds

Remedial Investigation  
Stuart-Oliver-Holtz  
Site No. 8-28-079  
Henrietta, New York

| Parameter                    | TP-1<br>11/3/94 |   | TP-2<br>11/3/94 |   | TP-3<br>11/3/94 |   | TP-4<br>11/3/94 |   | TP-5<br>11/3/94 |   | TP-6<br>11/3/94 |   |
|------------------------------|-----------------|---|-----------------|---|-----------------|---|-----------------|---|-----------------|---|-----------------|---|
|                              | (ug/kg)         | Q | (ug/kg)         | Q | (ug/kg)         | Q | (ug/kg)         | Q | (ug/kg)         | Q | (ug/kg)         | Q |
| 4-Nitrophenol                | 1000            | U | 990             | U | 980             | U | 910             | U | 940             | U | 940             | U |
| Dibenzofuran                 | 1000            | U | 400             | U | 390             | U | 360             | U | 370             | U | 370             | U |
| 2,4-Dinitrotoluene           | 410             | U | 400             | U | 390             | U | 360             | U | 370             | U | 370             | U |
| Diethylphthalate             | 410             | U | 400             | U | 390             | U | 360             | U | 370             | U | 370             | U |
| 4-Chlorophenyl-Phenylether   | 410             | U | 400             | U | 390             | U | 360             | U | 370             | U | 370             | U |
| Fluorene                     | 410             | U | 400             | U | 390             | U | 360             | U | 370             | U | 370             | U |
| 4-Nitroaniline               | 1000            | U | 990             | U | 980             | U | 910             | U | 940             | U | 940             | U |
| 4,6-Dinitro-2-Methylphenol   | 1000            | U | 990             | U | 980             | U | 910             | U | 940             | U | 940             | U |
| N-Nitrosodiphenylamine       | 410             | U | 400             | U | 390             | U | 360             | U | 370             | U | 370             | U |
| 4-Bromophenyl-phenylether    | 410             | U | 400             | U | 390             | U | 360             | U | 370             | U | 370             | U |
| Hexachlorobenzene            | 410             | U | 400             | U | 390             | U | 360             | U | 370             | U | 370             | U |
| Pentachlorophenol            | 1000            | U | 990             | U | 980             | U | 910             | U | 940             | U | 940             | U |
| Phenanthrene                 | 160             | J | 69              | J | 130             | J | 120             | J | 370             | U | 41              | J |
| Anthracene                   | 21              | J | 400             | U | 23              | J | 27              | J | 370             | U | 370             | U |
| Carbazole                    | 410             | U | 400             | U | 390             | U | 360             | U | 370             | U | 370             | U |
| Di-n-Butylphthalate          | 410             | U | 400             | U | 22              | J | 34              | J | 42              | J | 24              | J |
| Fluoranthene                 | 340             | J | 140             | J | 210             | J | 180             | J | 370             | U | 82              | J |
| Pyrene                       | 300             | J | 130             | J | 210             | J | 170             | J | 370             | U | 66              | J |
| Butylbenzylphthalate         | 410             | U | 400             | U | 33              | J | 360             | U | 370             | U | 370             | U |
| 3,3'-Dichlorobenzidine       | 410             | U | 400             | U | 390             | U | 360             | U | 370             | U | 370             | U |
| Benzo (a) Anthracene         | 120             | J | 57              | J | 77              | J | 74              | J | 370             | U | 43              | J |
| Chrysene                     | 210             | J | 74              | J | 120             | J | 97              | J | 370             | U | 53              | J |
| Bis (2-Ethylhexyl) Phthalate | 360             | J | 53              | J | 130             | J | 35              | J | 25              | J | 34              | J |
| Di-n-Octyl Phthalate         | 410             | U | 400             | U | 390             | U | 360             | U | 370             | U | 370             | U |
| Benzo (b) Fluoranthene       | 190             | J | 70              | J | 92              | J | 82              | J | 370             | U | 51              | J |
| Benzo (k) Fluoranthene       | 130             | J | 41              | J | 70              | J | 64              | J | 370             | U | 36              | J |
| Benzo (a) Pyrene             | 120             | J | 50              | J | 71              | J | 68              | J | 370             | U | 29              | J |
| Indeno (1,2,3-cd) Pyrene     | 110             | J | 39              | J | 43              | J | 52              | J | 370             | U | 30              | J |
| Dibenz (a,h) Anthracene      | 410             | U | 400             | U | 390             | U | 360             | U | 370             | U | 370             | U |
| Benzo(g,h,i) Perylene        | 53              | J | 400             | U | 28              | J | 28              | J | 370             | U | 370             | U |



Test Pit Sample Results  
PCB's/Pesticides

Remedial Investigation  
Stuart-Oliver-Holtz  
Site No. 8-28-079  
Henrietta, New York

| Parameter          | TP-1<br>11/3/94<br>(ug/kg) |    | TP-2<br>11/3/94<br>(ug/kg) |    | TP-3<br>11/3/94<br>(ug/kg) |    | TP-4<br>11/3/94<br>(ug/kg) |    | TP-5<br>11/3/94<br>(ug/kg) |    | TP-6<br>11/3/94<br>(ug/kg) |    |
|--------------------|----------------------------|----|----------------------------|----|----------------------------|----|----------------------------|----|----------------------------|----|----------------------------|----|
|                    | Q                          |    | Q                          |    | Q                          |    | Q                          |    | Q                          |    | Q                          |    |
| PESTICIDES         |                            |    |                            |    |                            |    |                            |    |                            |    |                            |    |
| alpha-BHC          | 2                          | UJ | 2                          | UJ | 2                          | UJ | 1.8                        | UJ | 1.9                        | UJ | 1.9                        | UJ |
| beta-BHC           | 2                          | UJ | 2                          | UJ | 2                          | UJ | 1.8                        | UJ | 1.9                        | UJ | 1.9                        | UJ |
| delta-BHC          | 2                          | UJ | 2                          | UJ | 2                          | UJ | 1.8                        | UJ | 1.9                        | UJ | 1.9                        | UJ |
| gamma-BHC          | 2                          | U  | 2                          | U  | 2                          | U  | 1.8                        | U  | 1.9                        | U  | 1.9                        | U  |
| Heptachlor         | 2                          | U  | 2                          | U  | 2                          | U  | 1.8                        | U  | 1.9                        | U  | 1.9                        | U  |
| Aldrin             | 2                          | U  | 2                          | U  | 2                          | U  | 1.8                        | U  | 1.9                        | U  | 1.9                        | U  |
| Heptachlor Epoxide | 2                          | U  | 2                          | U  | 2                          | U  | 1.8                        | U  | 1.9                        | U  | 1.9                        | U  |
| Endosulfan I       | 2                          | U  | 2                          | U  | 2                          | U  | 1.8                        | U  | 1.9                        | U  | 1.9                        | U  |
| Dieldrin           | 4.1                        | U  | 4                          | U  | 3.9                        | U  | 3.6                        | U  | 3.7                        | U  | 3.7                        | U  |
| 4,4'-DDE           | 4.1                        | U  | 4                          | U  | 3.9                        | U  | 3.6                        | U  | 3.7                        | U  | 3.7                        | U  |
| Endrin             | 4.1                        | U  | 4                          | U  | 3.9                        | U  | 3.6                        | U  | 3.7                        | U  | 3.7                        | U  |
| Endosulfan II      | 4.1                        | U  | 4                          | U  | 3.9                        | U  | 3.6                        | U  | 3.7                        | U  | 3.7                        | U  |
| 4,4'-DDD           | 4.1                        | UJ | 4                          | UJ | 3.9                        | UJ | 3.6                        | UJ | 3.7                        | UJ | 3.7                        | UJ |
| Endosulfan Sulfate | 4.1                        | U  | 4                          | U  | 3.9                        | U  | 3.6                        | U  | 3.7                        | U  | 3.7                        | U  |
| 4,4'-DDT           | 4.1                        | U  | 4                          | U  | 3.9                        | U  | 3.6                        | U  | 3.7                        | U  | 3.7                        | U  |
| Methoxychlor       | 20                         | U  | 20                         | U  | 20                         | U  | 18                         | U  | 19                         | U  | 19                         | U  |
| Endrin Ketone      | 4.1                        | U  | 4                          | U  | 3.9                        | U  | 3.6                        | U  | 3.7                        | U  | 3.7                        | U  |
| Endrin Aldehyde    | 4.1                        | U  | 4                          | U  | 3.9                        | U  | 3.6                        | U  | 3.7                        | U  | 3.7                        | U  |
| alpha-Chlordane    | 2                          | U  | 2                          | U  | 2                          | U  | 1.8                        | U  | 1.9                        | U  | 1.9                        | U  |
| gamma-Chlordane    | 2                          | U  | 2                          | U  | 2                          | U  | 1.8                        | U  | 1.9                        | U  | 1.9                        | U  |
| Toxaphene          | 200                        | U  | 200                        | U  | 200                        | U  | 180                        | U  | 190                        | U  | 190                        | U  |
| PCB's              |                            |    |                            |    |                            |    |                            |    |                            |    |                            |    |
| Aroclor-1016       | 41                         | U  | 40                         | U  | 39                         | U  | 36                         | U  | 37                         | U  | 37                         | U  |
| Aroclor-1221       | 81                         | U  | 79                         | U  | 78                         | U  | 72                         | U  | 75                         | U  | 35                         | U  |
| Aroclor-1232       | 41                         | U  | 40                         | U  | 39                         | U  | 36                         | U  | 37                         | U  | 37                         | U  |
| Aroclor-1242       | 41                         | U  | 40                         | U  | 39                         | U  | 36                         | U  | 37                         | U  | 37                         | U  |
| Aroclor-1248       | 41                         | U  | 40                         | U  | 39                         | U  | 36                         | U  | 37                         | U  | 37                         | U  |
| Aroclor-1254       | 41                         | U  | 40                         | U  | 39                         | U  | 36                         | U  | 37                         | U  | 37                         | U  |
| Aroclor-1260       | 41                         | U  | 40                         | U  | 39                         | U  | 36                         | U  | 37                         | U  | 37                         | U  |

Test Pit Sample Results  
Metals/Others

Remedial Investigation  
Stuart-Oliver-Holtz  
Site No. 8-28-079  
Henrietta, New York

| Parameter     | TP-1<br>11/3/94<br>(mg/kg) | TP-2<br>11/3/94<br>(mg/kg) | TP-3<br>11/3/94<br>(mg/kg) | TP-4<br>11/3/94<br>(mg/kg) | TP-5<br>11/3/94<br>(mg/kg) | TP-6<br>11/3/94<br>(mg/kg) |
|---------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|
| <b>METALS</b> |                            |                            |                            |                            |                            |                            |
| Aluminum      | 7070                       | 8020                       | 8390                       | 8560                       | 7430                       | 8320                       |
| Antimony      | 2.9                        | 2.8                        | UNJ                        | 2.6                        | UNJ                        | 2.7                        |
| Arsenic       | 2.8                        | 3.4                        | SNJ                        | 3.5                        | SNJ                        | 3.4                        |
| Barium        | 44.9                       | 93.7                       | 73.6                       | 144                        | 47.1                       | 46.7                       |
| Beryllium     | 0.3                        | 0.35                       | B                          | 0.45                       | B                          | 0.35                       |
| Cadmium       | 0.74                       | 0.77                       | B                          | 0.85                       | B                          | 0.7                        |
| Calcium       | 2820                       | 26700                      | 6740                       | 12100                      | 23300                      | 12900                      |
| Chromium      | 7.3                        | 10                         | 12.7                       | 11.3                       | 11.8                       | 13.4                       |
| Cobalt        | 3.9                        | 5.5                        | B                          | 3.7                        | B                          | 5.1                        |
| Copper        | 9                          | 14.3                       | 11.3                       | 15.2                       | 10.7                       | 15.3                       |
| Iron          | 10200                      | 12800                      | 14700                      | 17400                      | 12000                      | 13000                      |
| Lead          | 13.9                       | 20.1                       | 21.5                       | 30.9                       | 12.2                       | 34                         |
| Magnesium     | 1920                       | 11200                      | 3270                       | 5430                       | 8150                       | 8050                       |
| Manganese     | 214                        | 312                        | NJ                         | 1670                       | 274                        | 276                        |
| Mercury       | 0.15                       | 0.15                       | U                          | 0.13                       | U                          | 0.36                       |
| Nickel        | 6.8                        | 12.2                       | 10.8                       | 16                         | 9.8                        | 15.3                       |
| Potassium     | 420                        | 807                        | B                          | 734                        | B                          | 975                        |
| Selenium      | 0.25                       | 0.24                       | U                          | 0.22                       | U                          | 0.23                       |
| Silver        | 0.8                        | 0.47                       | UN                         | 0.43                       | U                          | 0.45                       |
| Sodium        | 156                        | 93.5                       | B                          | 69.9                       | B                          | 79.8                       |
| Thallium      | 0.49                       | 0.4                        | B                          | 0.22                       | WJB                        | 0.26                       |
| Vanadium      | 12.2                       | 14.8                       | 17.1                       | 18.4                       | 14                         | 17.1                       |
| Zinc          | 34                         | 104                        | EJ                         | 52.8                       | EJ                         | 55.2                       |
| <b>OTHERS</b> |                            |                            |                            |                            |                            |                            |
| Cyanide       | 1.2                        | 1.2                        | U                          | 1.1                        | U                          | 1.1                        |

**Sediment Sample Test Results**

Appendix I  
Sediment Sample Test Results  
Volatile Organic Compounds

Remedial Investigation  
Stuart-Oliver-Holtz  
Site No. 8-28-079  
Henrietta, New York

| Parameter                 | SED-1<br>0-6"<br>10/25/94<br>lug/kg | SED-1 RE<br>0-6"<br>10/25/94<br>lug/kg | SED-2<br>0-6"<br>10/25/94<br>lug/kg | SED-3<br>0-6"<br>10/25/94<br>lug/kg | SED-4<br>0-6"<br>10/25/94<br>lug/kg |    |   |  |  |
|---------------------------|-------------------------------------|----------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|----|---|--|--|
| Chloromethane             | 11                                  | U                                      | U                                   | 15                                  | U                                   | 11 | U |  |  |
| Bromomethane              | 11                                  | U                                      | U                                   | 15                                  | U                                   | 11 | U |  |  |
| Vinyl chloride            | 11                                  | U                                      | U                                   | 15                                  | U                                   | 11 | U |  |  |
| Chloroethane              | 11                                  | U                                      | U                                   | 15                                  | U                                   | 11 | U |  |  |
| Methylene chloride        | 7                                   | 9                                      | 7                                   | 3                                   | 3                                   | 7  | 3 |  |  |
| Acetone                   | 11                                  | U                                      | U                                   | 15                                  | U                                   | 11 | U |  |  |
| Carbon Disulfide          | 11                                  | U                                      | U                                   | 15                                  | U                                   | 11 | U |  |  |
| 1,1-Dichloroethane        | 11                                  | U                                      | U                                   | 15                                  | U                                   | 11 | U |  |  |
| 1,1-Dichloroethane        | 11                                  | U                                      | U                                   | 15                                  | U                                   | 11 | U |  |  |
| 1,2-Dichloroethane(Total) | 11                                  | U                                      | U                                   | 15                                  | U                                   | 11 | U |  |  |
| Chloroform                | 11                                  | U                                      | U                                   | 15                                  | U                                   | 11 | U |  |  |
| 1,2-Dichloroethane        | 11                                  | U                                      | U                                   | 15                                  | U                                   | 11 | U |  |  |
| 2-Butanone                | 11                                  | U                                      | U                                   | 15                                  | U                                   | 11 | U |  |  |
| 1,1,1-Trichloroethane     | 11                                  | U                                      | U                                   | 15                                  | U                                   | 11 | U |  |  |
| Carbon Tetrachloride      | 11                                  | U                                      | U                                   | 15                                  | U                                   | 11 | U |  |  |
| Bromodichloromethane      | 11                                  | U                                      | U                                   | 15                                  | U                                   | 11 | U |  |  |
| 1,2-Dichloropropane       | 11                                  | U                                      | U                                   | 15                                  | U                                   | 11 | U |  |  |
| cis-1,3-Dichloropropene   | 11                                  | U                                      | U                                   | 15                                  | U                                   | 11 | U |  |  |
| Trichloroethene           | 11                                  | U                                      | U                                   | 15                                  | U                                   | 11 | U |  |  |
| Dibromochloromethane      | 11                                  | U                                      | U                                   | 15                                  | U                                   | 11 | U |  |  |
| 1,1,2-Trichloroethane     | 11                                  | U                                      | U                                   | 15                                  | U                                   | 11 | U |  |  |
| Benzene                   | 11                                  | U                                      | U                                   | 15                                  | U                                   | 11 | U |  |  |
| trans-1,3-Dichloropropene | 11                                  | U                                      | U                                   | 15                                  | U                                   | 11 | U |  |  |
| Bromoform                 | 11                                  | U                                      | U                                   | 15                                  | U                                   | 11 | U |  |  |
| 4-Methyl-2-Pentanone      | 11                                  | U                                      | U                                   | 15                                  | U                                   | 11 | U |  |  |
| 2-Hexanone                | 11                                  | U                                      | U                                   | 15                                  | U                                   | 11 | U |  |  |
| Tetrachloroethene         | 11                                  | U                                      | U                                   | 15                                  | U                                   | 11 | U |  |  |
| 1,1,2,2-Tetrachloroethane | 11                                  | U                                      | U                                   | 15                                  | U                                   | 11 | U |  |  |
| Toluene                   | 11                                  | U                                      | U                                   | 15                                  | U                                   | 11 | U |  |  |
| Chlorobenzene             | 11                                  | U                                      | U                                   | 15                                  | U                                   | 11 | U |  |  |
| Ethylbenzene              | 11                                  | U                                      | U                                   | 15                                  | U                                   | 11 | U |  |  |
| Styrene                   | 11                                  | U                                      | U                                   | 15                                  | U                                   | 11 | U |  |  |
| Xylene (total)            | 11                                  | U                                      | U                                   | 15                                  | U                                   | 11 | U |  |  |

Appendix I  
Sediment Sample Test Results  
Semi-Volatile Organic Compounds

Remedial Investigation  
Stuart-Oliver-Holtz  
Site No. 8-28-079  
Henriette, New York

| Parameter                     | SED-1<br>0-6"<br>10/25/94<br>(ug/kg) |   | SED-1 RE<br>0-6"<br>10/25/94<br>(ug/kg) |   | SED-2<br>0-6"<br>10/25/94<br>(ug/kg) |   | SED-2 RE<br>0-6"<br>10/25/94<br>(ug/kg) |   | SED-3<br>0-6"<br>10/25/94<br>(ug/kg) |   | SED-3 DL<br>0-6"<br>10/25/94<br>(ug/kg) |   | SED-3 RE<br>0-6"<br>10/25/94<br>(ug/kg) |   | SED-4<br>0-6"<br>10/25/94<br>(ug/kg) |   | SED-4 RE<br>0-6"<br>10/25/94<br>(ug/kg) |   |
|-------------------------------|--------------------------------------|---|-----------------------------------------|---|--------------------------------------|---|-----------------------------------------|---|--------------------------------------|---|-----------------------------------------|---|-----------------------------------------|---|--------------------------------------|---|-----------------------------------------|---|
|                               | Q                                    |   | Q                                       |   | Q                                    |   | Q                                       |   | Q                                    |   | Q                                       |   | Q                                       |   | Q                                    |   | Q                                       |   |
| Phenol                        | 370                                  | U | 370                                     | U | 570                                  | R | 570                                     | U | 2500                                 | U | 4900                                    | U | 2500                                    | U | 380                                  | U | 380                                     | U |
| bis(2-chloroethyl) Ether      | 370                                  | U | 370                                     | U | 570                                  | U | 570                                     | U | 2500                                 | U | 4900                                    | U | 2500                                    | U | 380                                  | U | 380                                     | U |
| 2-Chlorophenol                | 370                                  | U | 370                                     | U | 570                                  | R | 570                                     | U | 2500                                 | U | 4900                                    | U | 2500                                    | U | 380                                  | U | 380                                     | U |
| 1,3-Dichlorobenzene           | 370                                  | U | 370                                     | U | 570                                  | U | 570                                     | U | 2500                                 | U | 4900                                    | U | 2500                                    | U | 380                                  | U | 380                                     | U |
| 1,4-Dichlorobenzene           | 370                                  | U | 370                                     | U | 570                                  | U | 570                                     | U | 2500                                 | U | 4900                                    | U | 2500                                    | U | 380                                  | U | 380                                     | U |
| 1,2-Dichlorobenzene           | 370                                  | U | 370                                     | U | 570                                  | U | 570                                     | U | 2500                                 | U | 4900                                    | U | 2500                                    | U | 380                                  | U | 380                                     | U |
| 2-Methylphenol                | 370                                  | U | 370                                     | U | 570                                  | U | 570                                     | U | 2500                                 | U | 4900                                    | U | 2500                                    | U | 380                                  | U | 380                                     | U |
| 2,2'-oxybis (1-Chloropropane) | 370                                  | U | 370                                     | U | 570                                  | R | 570                                     | U | 2500                                 | U | 4900                                    | U | 2500                                    | U | 380                                  | U | 380                                     | U |
| 4-Methylphenol                | 370                                  | U | 370                                     | U | 570                                  | U | 570                                     | U | 2500                                 | U | 4900                                    | U | 2500                                    | U | 380                                  | U | 380                                     | U |
| N-Nitroso-Di-n-Propylamine    | 370                                  | U | 370                                     | U | 570                                  | U | 570                                     | U | 2500                                 | U | 4900                                    | U | 2500                                    | U | 380                                  | U | 380                                     | U |
| Hexachloroethane              | 370                                  | U | 370                                     | U | 570                                  | U | 570                                     | U | 2500                                 | U | 4900                                    | U | 2500                                    | U | 380                                  | U | 380                                     | U |
| Nitrobenzene                  | 370                                  | U | 370                                     | U | 570                                  | U | 570                                     | U | 2500                                 | U | 4900                                    | U | 2500                                    | U | 380                                  | U | 380                                     | U |
| Isophorone                    | 370                                  | U | 370                                     | U | 570                                  | R | 570                                     | U | 2500                                 | U | 4900                                    | U | 2500                                    | U | 380                                  | U | 380                                     | U |
| 2-Nitrophenol                 | 370                                  | U | 370                                     | U | 570                                  | U | 570                                     | U | 2500                                 | U | 4900                                    | U | 2500                                    | U | 380                                  | U | 380                                     | U |
| 2,4-Dimethylphenol            | 370                                  | U | 370                                     | U | 570                                  | R | 570                                     | U | 2500                                 | U | 4900                                    | U | 2500                                    | U | 380                                  | U | 380                                     | U |
| bis(2-Chloroethoxy)Methane    | 370                                  | U | 370                                     | U | 570                                  | U | 570                                     | U | 2500                                 | U | 4900                                    | U | 2500                                    | U | 380                                  | U | 380                                     | U |
| 2,4-Dichlorophenol            | 370                                  | U | 370                                     | U | 570                                  | R | 570                                     | U | 2500                                 | U | 4900                                    | U | 2500                                    | U | 380                                  | U | 380                                     | U |
| 1,2,4-Trichlorobenzene        | 370                                  | U | 370                                     | U | 570                                  | U | 570                                     | U | 2500                                 | U | 4900                                    | U | 2500                                    | U | 380                                  | U | 380                                     | U |
| Naphthalene                   | 370                                  | U | 370                                     | U | 570                                  | U | 570                                     | U | 2500                                 | U | 4900                                    | U | 2500                                    | U | 380                                  | U | 380                                     | U |
| 4-Chloroaniline               | 370                                  | U | 370                                     | U | 570                                  | U | 570                                     | U | 2500                                 | U | 4900                                    | U | 2500                                    | U | 380                                  | U | 380                                     | U |
| Hexachlorobutadiene           | 370                                  | U | 370                                     | U | 570                                  | U | 570                                     | U | 2500                                 | U | 4900                                    | U | 2500                                    | U | 380                                  | U | 380                                     | U |
| 4-Chloro-3-Methylphenol       | 370                                  | U | 370                                     | U | 570                                  | R | 570                                     | U | 2500                                 | U | 4900                                    | U | 2500                                    | U | 380                                  | U | 380                                     | U |
| 2-Methylnaphthalene           | 370                                  | U | 370                                     | U | 570                                  | U | 570                                     | U | 2500                                 | U | 4900                                    | U | 2500                                    | U | 380                                  | U | 380                                     | U |
| Hexachlorocyclopentadiene     | 370                                  | U | 370                                     | U | 570                                  | R | 570                                     | U | 2500                                 | U | 4900                                    | U | 2500                                    | U | 380                                  | U | 380                                     | U |
| 2,4,6-Trichlorophenol         | 940                                  | U | 940                                     | U | 1400                                 | R | 1400                                    | U | 6100                                 | U | 12000                                   | U | 6100                                    | U | 950                                  | U | 950                                     | U |
| 2,4,5-Trichlorophenol         | 370                                  | U | 370                                     | U | 570                                  | U | 570                                     | U | 2500                                 | U | 4900                                    | U | 2500                                    | U | 380                                  | U | 380                                     | U |
| 2-Chloronaphthalene           | 940                                  | U | 940                                     | U | 1400                                 | U | 1400                                    | U | 6100                                 | U | 12000                                   | U | 6100                                    | U | 950                                  | U | 950                                     | U |
| 2-Nitroaniline                | 370                                  | U | 370                                     | U | 570                                  | U | 570                                     | U | 2500                                 | U | 4900                                    | U | 2500                                    | U | 380                                  | U | 380                                     | U |
| Dimethyl Phthalate            | 370                                  | U | 370                                     | U | 570                                  | U | 570                                     | U | 2500                                 | U | 4900                                    | U | 2500                                    | U | 380                                  | U | 380                                     | U |
| Acenaphthylene                | 370                                  | U | 370                                     | U | 570                                  | U | 570                                     | U | 2500                                 | U | 4900                                    | U | 2500                                    | U | 380                                  | U | 380                                     | U |
| 2,6-Dinitrotoluene            | 370                                  | U | 370                                     | U | 570                                  | U | 570                                     | U | 2500                                 | U | 4900                                    | U | 2500                                    | U | 380                                  | U | 380                                     | U |
| 3-Nitroaniline                | 940                                  | U | 940                                     | U | 1400                                 | U | 1400                                    | U | 6100                                 | U | 12000                                   | U | 6100                                    | U | 950                                  | U | 950                                     | U |
| Acenaphthene                  | 370                                  | U | 370                                     | U | 570                                  | U | 570                                     | U | 2500                                 | U | 4900                                    | U | 2500                                    | U | 380                                  | U | 380                                     | U |
| 2,4-Dinitrophenol             | 940                                  | R | 940                                     | R | 1400                                 | R | 1400                                    | U | 6100                                 | U | 12000                                   | U | 6100                                    | U | 950                                  | U | 950                                     | U |

Appendix I  
Sediment Sample Test Results  
Semi-Volatile Organic Compounds

Remedial Investigation  
Stuart-Oliver-Holtz  
Site No. 8-28-Q79  
Henriette, New York

| Parameter                    | SED-1<br>0-6"<br>10/25/94 |   | SED-1 RE<br>0-6"<br>10/25/94 |   | SED-2<br>0-6"<br>10/25/94 |   | SED-2 RE<br>0-6"<br>10/25/94 |   | SED-3<br>0-6"<br>10/25/94 |    | SED-3 DL<br>0-6"<br>10/25/94 |    | SED-3 RE<br>0-6"<br>10/25/94 |   | SED-4<br>0-6"<br>10/25/94 |   | SED-4 RE<br>0-6"<br>10/25/94 |   |
|------------------------------|---------------------------|---|------------------------------|---|---------------------------|---|------------------------------|---|---------------------------|----|------------------------------|----|------------------------------|---|---------------------------|---|------------------------------|---|
|                              | (ug/kg)                   | Q | (ug/l)                       | Q | (ug/kg)                   | Q | (ug/kg)                      | Q | (ug/kg)                   | Q  | (ug/kg)                      | Q  | (ug/kg)                      | Q | (ug/kg)                   | Q | (ug/kg)                      | Q |
| 4-Nitrophenol                | 940                       | U | 940                          | U | 4400                      | R | 1400                         | U | 6100                      | U  | 12000                        | U  | 6100                         | U | 950                       | U | 950                          | U |
| Dibenzofuran                 | 370                       | U | 370                          | U | 570                       | U | 570                          | U | 800                       | J  | 1100                         | JD | 600                          | J | 380                       | U | 53                           | J |
| 2,4-Dinitrotoluene           | 370                       | U | 370                          | U | 570                       | U | 570                          | U | 2500                      | U  | 4900                         | U  | 2500                         | U | 380                       | U | 380                          | U |
| Diethylphthalate             | 370                       | U | 370                          | U | 570                       | U | 570                          | U | 2500                      | U  | 4900                         | U  | 2500                         | U | 380                       | U | 380                          | U |
| 4-Chlorophenyl-Phenylether   | 370                       | U | 370                          | U | 570                       | U | 570                          | U | 2500                      | U  | 4900                         | U  | 2500                         | U | 380                       | U | 380                          | U |
| Fluorene                     | 370                       | U | 370                          | U | 570                       | U | 570                          | U | 1800                      | J  | 2400                         | JD | 1200                         | J | 30                        | J | 100                          | J |
| 4-Nitroaniline               | 940                       | U | 940                          | U | 1400                      | U | 1400                         | U | 6100                      | U  | 12000                        | U  | 6100                         | U | 950                       | U | 950                          | U |
| 4,6-Dinitro-2-Methylphenol   | 940                       | U | 940                          | U | 4400                      | R | 1400                         | U | 6100                      | U  | 12000                        | U  | 6100                         | U | 950                       | U | 950                          | U |
| N-Nitrosodiphenylamine       | 370                       | U | 370                          | U | 570                       | U | 570                          | U | 2500                      | U  | 4900                         | U  | 2500                         | U | 380                       | U | 380                          | U |
| 4-Bromophenyl-phenylether    | 370                       | U | 370                          | U | 570                       | U | 570                          | U | 2500                      | U  | 4900                         | U  | 2500                         | U | 380                       | U | 380                          | U |
| Hexachlorobenzene            | 370                       | U | 370                          | U | 570                       | U | 570                          | U | 2500                      | U  | 4900                         | U  | 2500                         | U | 380                       | U | 380                          | U |
| Pentachlorophenol            | 940                       | U | 940                          | U | 4400                      | R | 1400                         | U | 6100                      | U  | 12000                        | U  | 6100                         | U | 950                       | U | 950                          | U |
| Phenanthrene                 | 80                        | J | 83                           | J | 550                       | J | 340                          | J | 19000                     |    | 21000                        | D  | 11000                        |   | 580                       |   | 920                          |   |
| Anthracene                   | 370                       | U | 370                          | U | 72                        | J | 62                           | J | 3000                      |    | 3400                         | JD | 2400                         | J | 130                       | J | 230                          | J |
| Carbazole                    | 370                       | U | 370                          | U | 570                       | U | 570                          | U | 2500                      | U  | 4900                         | U  | 2500                         | U | 67                        | J | 120                          | J |
| Di-n-Butylphthalate          | 76                        | J | 76                           | J | 95                        | J | 180                          | J | 2500                      | U  | 4900                         | U  | 2500                         | U | 110                       | J | 320                          | J |
| Fluoranthene                 | 120                       | J | 180                          | J | 1200                      | J | 810                          | J | 30000                     | E  | 34000                        | D  | 17000                        |   | 1100                      |   | 1500                         |   |
| Pyrene                       | 150                       | J | 200                          | J | 810                       | J | 820                          | J | 29000                     | EJ | 31000                        | D  | 15000                        |   | 1300                      | J | 1200                         |   |
| Butylbenzylphthalate         | 370                       | U | 370                          | U | 570                       | U | 570                          | U | 2500                      | U  | 4900                         | U  | 2500                         | U | 83                        | J | 84                           | J |
| 3,3'-Dichlorobenzidine       | 370                       | U | 370                          | U | 570                       | U | 570                          | U | 2500                      | U  | 4900                         | U  | 2500                         | U | 380                       | U | 380                          | U |
| Benzo (a) Anthracene         | 49                        | J | 70                           | J | 330                       | J | 280                          | J | 11000                     |    | 15000                        | D  | 7100                         |   | 490                       |   | 560                          |   |
| Chrysene                     | 86                        | J | 100                          | J | 690                       | J | 450                          | J | 18000                     |    | 18000                        | D  | 8600                         |   | 840                       |   | 740                          |   |
| Bis (2-Ethylhexyl) Phthalate | 85                        | J | 80                           | J | 280                       | J | 210                          | J | 3800                      |    | 4700                         | JD | 2400                         | J | 940                       |   | 280                          | J |
| Di-n-Octyl Phthalate         | 370                       | U | 370                          | U | 570                       | U | 350                          | J | 2500                      | U  | 4900                         | U  | 2500                         | U | 380                       | U | 310                          | J |
| Benzo (b) Fluoranthene       | 100                       | J | 84                           | J | 6900                      | R | 530                          | J | 27000                     |    | 27000                        | D  | 9300                         |   | 630                       |   | 640                          |   |
| Benzo (k) Fluoranthene       | 58                        | J | 92                           | J | 3100                      | R | 330                          | J | 11000                     |    | 11000                        | D  | 3300                         |   | 700                       |   | 420                          |   |
| Benzo (a) Pyrene             | 64                        | J | 110                          | J | 4900                      | R | 750                          | J | 2100                      | J  | 17000                        | D  | 8800                         |   | 750                       |   | 500                          |   |
| Indeno (1,2,3-cd) Pyrene     | 96                        | J | 81                           | J | 5500                      | R | 91                           | J | 20000                     | E  | 22000                        | D  | 5800                         |   | 920                       |   | 400                          |   |
| Dibenz (a,h) Anthracene      | 370                       | U | 370                          | U | 9100                      | R | 140                          | J | 6900                      |    | 6700                         | D  | 2600                         | J | 330                       | J | 180                          | J |
| Benzo(g,h,i) Perylene        | 32                        | J | 150                          | J | 11000                     | R | 1200                         |   | 7500                      |    | 7900                         | D  | 1800                         | J | 310                       | J | 150                          | J |

**Remedial Investigation  
Stuart-Oliver-Holtz  
Site No. 8-28-079  
Henriette, New York**

Printed 9/8/98

**Remedial Investigation  
Stuart-Oliver-Holtz  
Site No. 8-28-079  
Henriette, New York**

[illegible]



**Surface Water Sample Test Results**

Remedial Investigation  
Stuart-Olver-Holtz  
Site No. 8-28-079  
Henrietta, New York

BORING1.XLS

Remedial Investigation  
Stuart-Olver-Holtz  
Site No. 8-28-079  
Henrietta, New York

BORINGR1.XLS

Appendix I  
Surface Water Sample Test Results  
Semi-Volatile Organic Compounds

Remedial Investigation  
Stuart-Oliver-Holtz  
Site No. 8-28-079  
Henrietta, New York

| Parameter                    | SW-1<br>10/26/94<br>(ug/l) |   | SW-2<br>10/25/94<br>(ug/l) |   | SW-3<br>10/26/94<br>(ug/l) |   |  |  |  |  |  |  |
|------------------------------|----------------------------|---|----------------------------|---|----------------------------|---|--|--|--|--|--|--|
|                              | Q                          |   | Q                          |   | Q                          |   |  |  |  |  |  |  |
| 4-Nitrophenol                | 25                         | U | 25                         | U | 25                         | U |  |  |  |  |  |  |
| Dibenzofuran                 | 10                         | U | 10                         | U | 10                         | U |  |  |  |  |  |  |
| 2,4-Dinitrotoluene           | 10                         | U | 10                         | U | 10                         | U |  |  |  |  |  |  |
| Diethylphthalate             | 10                         | U | 10                         | U | 10                         | U |  |  |  |  |  |  |
| 4-Chlorophenyl-Phenylether   | 10                         | U | 10                         | U | 10                         | U |  |  |  |  |  |  |
| Fluorene                     | 10                         | U | 10                         | U | 10                         | U |  |  |  |  |  |  |
| 4-Nitroaniline               | 25                         | U | 25                         | U | 25                         | U |  |  |  |  |  |  |
| 4,6-Dinitro-2-Methyphenol    | 25                         | U | 25                         | U | 25                         | U |  |  |  |  |  |  |
| N-Nitrosodiphenylamine       | 10                         | U | 10                         | U | 10                         | U |  |  |  |  |  |  |
| 4-Bromophenyl-phenylether    | 10                         | U | 10                         | U | 10                         | U |  |  |  |  |  |  |
| Hexachlorobenzene            | 10                         | U | 10                         | U | 10                         | U |  |  |  |  |  |  |
| Pentachlorophenol            | 25                         | U | 4                          | J | 25                         | U |  |  |  |  |  |  |
| Phenanthrene                 | 10                         | U | 10                         | U | 10                         | U |  |  |  |  |  |  |
| Anthracene                   | 10                         | U | 10                         | U | 10                         | U |  |  |  |  |  |  |
| Carbazole                    | 10                         | U | 10                         | U | 10                         | U |  |  |  |  |  |  |
| Di-n-Butylphthalate          | 10                         | U | 10                         | U | 10                         | U |  |  |  |  |  |  |
| Fluoranthene                 | 1                          | J | 10                         | U | 10                         | U |  |  |  |  |  |  |
| Pyrene                       | 1                          | J | 10                         | U | 10                         | U |  |  |  |  |  |  |
| Butylbenzylphthalate         | 10                         | U | 10                         | U | 10                         | U |  |  |  |  |  |  |
| 3,3'-Dichlorobenzidine       | 10                         | U | 10                         | U | 10                         | U |  |  |  |  |  |  |
| Benzo (a) Anthracene         | 10                         | U | 10                         | U | 10                         | U |  |  |  |  |  |  |
| Chrysene                     | 10                         | U | 10                         | U | 10                         | U |  |  |  |  |  |  |
| Bis (2-Ethylhexyl) Phthalate | 10                         | U | 10                         | U | 10                         | U |  |  |  |  |  |  |
| Di-n-Octyl Phthalate         | 10                         | U | 10                         | U | 10                         | U |  |  |  |  |  |  |
| Benzo (b) Fluoranthene       | 10                         | U | 10                         | U | 10                         | U |  |  |  |  |  |  |
| Benzo (k) Fluoranthene       | 10                         | U | 10                         | U | 10                         | U |  |  |  |  |  |  |
| Benzo (a) Pyrene             | 10                         | U | 10                         | U | 10                         | U |  |  |  |  |  |  |
| Indeno (1,2,3-cd) Pyrene     | 10                         | U | 10                         | U | 10                         | U |  |  |  |  |  |  |
| Dibenz (a,h) Anthracene      | 10                         | U | 10                         | U | 10                         | U |  |  |  |  |  |  |
| Benzo(g,h,i) Perylene        | 10                         | U | 10                         | U | 10                         | U |  |  |  |  |  |  |

Remedial Investigation  
Stuart-Olver-Holtz  
Site No. 8-28-079  
Henrietta, New York

Printed 9/6/96

Appendix I  
Surface Water Sample Test Results  
Metals/Others

Remedial Investigation  
Stuart-Oliver-Holtz  
Site No. 8-28-079  
Henrietta, New York

| Parameter  | SW-1<br>10/26/94<br>(mg/l) |     | SW-2<br>10/25/94<br>(mg/l) |     | SW-3<br>10/26/94<br>(mg/l) |     |  |  |  |  |  |  |
|------------|----------------------------|-----|----------------------------|-----|----------------------------|-----|--|--|--|--|--|--|
|            | Q                          |     | Q                          |     | Q                          |     |  |  |  |  |  |  |
| METALS     |                            |     |                            |     |                            |     |  |  |  |  |  |  |
| Aluminum   | 317                        | JE  | 997                        | EJ  | 158                        | BEJ |  |  |  |  |  |  |
| Antimony   | 12                         | U   | 12                         | U   | 12                         | U   |  |  |  |  |  |  |
| Arsenic    | 3                          | NR  | 2                          | NR  | 2                          | R   |  |  |  |  |  |  |
| Barium     | 80.8                       | B   | 183                        | B   | 48.8                       | B   |  |  |  |  |  |  |
| Beryllium  | 1                          | U   | 1                          | U   | 1                          | U   |  |  |  |  |  |  |
| Cadmium    | 3                          | U   | 3                          | U   | 3                          | U   |  |  |  |  |  |  |
| Calcium    | 101000                     |     | 70400                      |     | 63900                      |     |  |  |  |  |  |  |
| Chromium   | 2                          | U   | 2                          | U   | 2.2                        | B   |  |  |  |  |  |  |
| Cobalt     | 2                          | U   | 2                          | U   | 2.4                        | B   |  |  |  |  |  |  |
| Copper     | 2                          | U   | 2.8                        | B   | 4.1                        | B   |  |  |  |  |  |  |
| Iron       | 744                        | EJ  | 4850                       | EJ  | 2200                       | EJ  |  |  |  |  |  |  |
| Lead       | 7.4                        | *   | 7.8                        | *   | 8.2                        | *   |  |  |  |  |  |  |
| Magnesium  | 38500                      |     | 22800                      |     | 17400                      |     |  |  |  |  |  |  |
| Manganese  | 185                        |     | 909                        |     | 444                        |     |  |  |  |  |  |  |
| Mercury    | 0.24                       | NUJ | 0.24                       | NUJ | 0.24                       | NUJ |  |  |  |  |  |  |
| Nickel     | 12                         | EUJ | 12                         | EUJ | 12                         | EUJ |  |  |  |  |  |  |
| Potassium  | 10400                      |     | 12400                      |     | 12800                      |     |  |  |  |  |  |  |
| Selenium   | 4                          | NR  | 2                          | WNR | 4                          | NR  |  |  |  |  |  |  |
| Silver     | 2                          | U*  | 2                          | U*  | 2.4                        | B*  |  |  |  |  |  |  |
| Sodium     | 96900                      |     | 69600                      |     | 38700                      |     |  |  |  |  |  |  |
| Thallium   | 2                          | U   | 2                          | U   | 2                          | U   |  |  |  |  |  |  |
| Vanadium   | 3                          | U   | 3.7                        | B   | 3                          | U   |  |  |  |  |  |  |
| Zinc       | 30.6                       | EJ  | 80.1                       | EJ  | 63.1                       | EJ  |  |  |  |  |  |  |
| OTHERS     |                            |     |                            |     |                            |     |  |  |  |  |  |  |
| Cyanide    | 10                         | U   | 10                         | U   | 10                         | U   |  |  |  |  |  |  |
| Alkalinity |                            |     | 360                        |     |                            |     |  |  |  |  |  |  |
| Hardness   |                            |     | 5300                       |     |                            |     |  |  |  |  |  |  |

**Sump Sediment and Water Sample Test Results**

Sump Sediment/Water Sample Test Results  
Volatile Organic Compounds

Remedial Investigation  
Stuart-Oliver-Holtz  
Site No. 8-28-079  
Henrietta, New York

| Parameter                 | NSM-1<br>10/27/94<br>(ug/l) |    | NSM-2<br>10/27/94<br>(ug/kg) |    | NSM-2 DL<br>10/27/94<br>(ug/kg) |    | NSM-3<br>10/27/94<br>(ug/kg) |    | NSM-4<br>10/25/94<br>(ug/l) |    | NSM-4 DL<br>10/25/94<br>(ug/l) |    |
|---------------------------|-----------------------------|----|------------------------------|----|---------------------------------|----|------------------------------|----|-----------------------------|----|--------------------------------|----|
|                           | Q                           |    | Q                            |    | Q                               |    | Q                            |    | Q                           |    | Q                              |    |
| Chloromethane             | 10                          | U  | 11000                        | U  | 140000                          | U  | 1500                         | U  | 500                         | U  | 10000                          | U  |
| Bromomethane              | 10                          | U  | 11000                        | UJ | 140000                          | U  | 1500                         | UJ | 500                         | U  | 10000                          | UJ |
| Vinyl chloride            | 10                          | U  | 11000                        | U  | 140000                          | U  | 1500                         | U  | 500                         | U  | 10000                          | U  |
| Chloroethane              | 10                          | U  | 11000                        | UJ | 140000                          | U  | 1500                         | UJ | 500                         | U  | 10000                          | U  |
| Methylene chloride        | 10                          | U  | 11000                        | U  | 140000                          | UJ | 1500                         | U  | 500                         | U  | 10000                          | U  |
| Acetone                   | 10                          | U  | 11000                        | UJ | 140000                          | U  | 1500                         | UJ | 500                         | U  | 10000                          | U  |
| Carbon Disulfide          | 10                          | U  | 11000                        | U  | 140000                          | U  | 1500                         | U  | 500                         | U  | 10000                          | U  |
| 1,1-Dichloroethene        | 10                          | U  | 11000                        | U  | 140000                          | U  | 1500                         | U  | 500                         | U  | 10000                          | U  |
| 1,1-Dichloroethane        | 10                          | U  | 32000                        | J  | 250000                          | JD | 1500                         | U  | 72000                       | E  | 61000                          | D  |
| 1,2-Dichloroethene(Total) | 10                          | U  | 17000                        | J  | 140000                          | U  | 1500                         | U  | 500                         | U  | 10000                          | U  |
| Chloroform                | 10                          | U  | 11000                        | U  | 140000                          | U  | 1500                         | U  | 500                         | U  | 10000                          | U  |
| 1,2-Dichloroethane        | 10                          | U  | 11000                        | U  | 140000                          | U  | 1500                         | U  | 500                         | U  | 10000                          | U  |
| 2-Butanone                | 10                          | U  | 11000                        | U  | 140000                          | U  | 1500                         | U  | 500                         | U  | 10000                          | U  |
| 1,1,1-Trichloroethane     | 10                          | U  | 1000000                      | E  | 2000000                         | D  | 8300                         | JD | 7900                        | JD | 6500                           | JD |
| Carbon Tetrachloride      | 10                          | U  | 11000                        | U  | 140000                          | U  | 1500                         | U  | 500                         | U  | 10000                          | U  |
| Bromodichloromethane      | 10                          | U  | 11000                        | U  | 140000                          | U  | 1500                         | U  | 500                         | U  | 10000                          | U  |
| 1,2-Dichloropropane       | 10                          | U  | 11000                        | U  | 140000                          | U  | 1500                         | U  | 500                         | U  | 10000                          | U  |
| cis-1,3-Dichloropropene   | 10                          | U  | 11000                        | U  | 140000                          | U  | 1500                         | U  | 500                         | U  | 10000                          | U  |
| Trichloroethene           | 10                          | U  | 8900                         | J  | 140000                          | U  | 1500                         | U  | 500                         | U  | 10000                          | U  |
| Dibromochloromethane      | 10                          | U  | 11000                        | U  | 140000                          | U  | 1500                         | U  | 500                         | U  | 10000                          | U  |
| 1,1,2-Trichloroethane     | 10                          | U  | 11000                        | U  | 140000                          | U  | 1500                         | U  | 500                         | U  | 10000                          | U  |
| Benzene                   | 10                          | U  | 11000                        | U  | 140000                          | U  | 1500                         | U  | 500                         | U  | 10000                          | U  |
| trans-1,3-Dichloropropene | 10                          | U  | 11000                        | U  | 140000                          | U  | 1500                         | U  | 500                         | U  | 10000                          | U  |
| Bromoform                 | 10                          | UJ | 11000                        | U  | 140000                          | U  | 1500                         | U  | 500                         | U  | 10000                          | UJ |
| 4-Methyl-2-Pentanone      | 10                          | U  | 11000                        | U  | 140000                          | U  | 1500                         | U  | 500                         | U  | 10000                          | U  |
| 2-Hexanone                | 10                          | U  | 11000                        | U  | 140000                          | U  | 1500                         | U  | 500                         | U  | 10000                          | U  |
| Tetrachloroethene         | 10                          | U  | 88000                        | J  | 91000                           | JD | 350                          | J  | 500                         | U  | 10000                          | U  |
| 1,1,2,2-Tetrachloroethane | 10                          | U  | 11000                        | U  | 140000                          | U  | 1500                         | U  | 500                         | U  | 10000                          | U  |
| Toluene                   | 10                          | U  | 110000                       | J  | 110000                          | JD | 580                          | J  | 500                         | U  | 5800                           | JN |
| Chlorobenzene             | 10                          | U  | 8600                         | J  | 140000                          | U  | 1500                         | U  | 500                         | U  | 10000                          | U  |
| Ethylbenzene              | 10                          | U  | 9200                         | J  | 140000                          | U  | 1500                         | U  | 500                         | U  | 2700                           | JN |
| Styrene                   | 10                          | U  | 11000                        | U  | 140000                          | U  | 1500                         | U  | 500                         | U  | 10000                          | U  |
| Xylene (total)            | 10                          | U  | 44000                        | J  | 46000                           | JD | 490                          | J  | 500                         | U  | 15000                          | N  |



Sump Sediment/Water Sample Test Results  
Semi-Volatile Organic Compounds

Remedial Investigation  
Stuart-Oliver-Holtz  
Site No. 8-28-079  
Henrietta, New York

| Parameter                     | NSM-1<br>10/27/94<br>(ug/l) | NSM-1 RE<br>10/27/94<br>(ug/l) | NSM-2<br>10/27/94<br>(ug/kg) | NSM-2 DL<br>10/27/94<br>(ug/kg) | NSM-3<br>10/27/94<br>(ug/kg) | NSM-4<br>10/25/94<br>(ug/l) |
|-------------------------------|-----------------------------|--------------------------------|------------------------------|---------------------------------|------------------------------|-----------------------------|
| Phenol                        | 10                          | U                              | 3700                         | U                               | 4000                         | 360                         |
| bis(2-chloroethyl) Ether      | 10                          | UJ                             | 3700                         | U                               | 4000                         | 100                         |
| 2-Chlorophenol                | 10                          | U                              | 3700                         | U                               | 4000                         | 100                         |
| 1,3-Dichlorobenzene           | 10                          | U                              | 3700                         | U                               | 4000                         | 100                         |
| 1,4-Dichlorobenzene           | 10                          | U                              | 3700                         | U                               | 4000                         | 100                         |
| 1,2-Dichlorobenzene           | 10                          | U                              | 3700                         | U                               | 4000                         | 100                         |
| 2-Methylphenol                | 10                          | U                              | 3700                         | U                               | 4000                         | 100                         |
| 2,2'-oxybis (1-Chloropropane) | 10                          | UJ                             | 3700                         | U                               | 4000                         | 100                         |
| 4-Methylphenol                | 10                          | U                              | 3700                         | U                               | 4000                         | 24                          |
| N-Nitroso-Di-n-Propylamine    | 10                          | U                              | 3700                         | U                               | 4000                         | 100                         |
| Hexachloroethane              | 10                          | U                              | 3700                         | U                               | 4000                         | 100                         |
| Nitrobenzene                  | 10                          | U                              | 3700                         | U                               | 4000                         | 100                         |
| Isophorane                    | 10                          | U                              | 3700                         | U                               | 4000                         | 100                         |
| 2-Nitrophenol                 | 10                          | U                              | 3700                         | U                               | 4000                         | 100                         |
| 2,4-Dimethylphenol            | 10                          | U                              | 3700                         | U                               | 4000                         | 100                         |
| bis(2-Chloroethoxy)Methane    | 10                          | U                              | 3700                         | U                               | 4000                         | 100                         |
| 2,4-Dichlorophenol            | 10                          | U                              | 3700                         | U                               | 4000                         | 100                         |
| 1,2,4-Trichlorobenzene        | 10                          | U                              | 3700                         | U                               | 4000                         | 100                         |
| Naphthalene                   | 10                          | U                              | 1400                         | U                               | 1100                         | 100                         |
| 4-Chloroaniline               | 10                          | U                              | 3700                         | U                               | 4000                         | 100                         |
| Hexachlorobutadiene           | 10                          | U                              | 3700                         | U                               | 4000                         | 100                         |
| 4-Chloro-3-Methylphenol       | 10                          | U                              | 3700                         | U                               | 4000                         | 100                         |
| 2-Methylnaphthalene           | 10                          | U                              | 420                          | U                               | 240                          | 100                         |
| Hexachlorocyclopentadiene     | 10                          | U                              | 3700                         | U                               | 4000                         | 100                         |
| 2,4,6-Trichlorophenol         | 10                          | U                              | 3700                         | U                               | 4000                         | 100                         |
| 2,4,5-Trichlorophenol         | 25                          | U                              | 9400                         | U                               | 9900                         | 250                         |
| 2-Chloronaphthalene           | 10                          | U                              | 3700                         | U                               | 4000                         | 100                         |
| 2-Nitroaniline                | 25                          | U                              | 9400                         | U                               | 9900                         | 250                         |
| Dimethyl Phthalate            | 10                          | U                              | 440                          | U                               | 220                          | 100                         |
| Acenaphthylene                | 10                          | U                              | 600                          | U                               | 4000                         | 100                         |
| 2,6-Dinitrotoluene            | 10                          | U                              | 3700                         | U                               | 4000                         | 100                         |
| 3-Nitroaniline                | 25                          | U                              | 9400                         | U                               | 9900                         | 250                         |
| Acenaphthene                  | 10                          | U                              | 490                          | U                               | 4000                         | 100                         |
| 2,4-Dinitrophenol             | 25                          | UJ                             | 9400                         | U                               | 9900                         | 250                         |

**Sump Sediment/Water Sample Test Results**  
Semi-Volatile Organic Compounds

Remedial Investigation  
Stuart-Oliver-Holtz  
Site No. 8-28-079  
Henrietta, New York

| Parameter                    | NSM-1<br>10/27/94 |    | NSM-1 RE<br>10/27/94 |    | NSM-2<br>10/27/94 |   | NSM-2 DL<br>10/27/94 |    | NSM-3<br>10/27/94 |    | NSM-4<br>10/25/94 |    |
|------------------------------|-------------------|----|----------------------|----|-------------------|---|----------------------|----|-------------------|----|-------------------|----|
|                              | (ug/l)            | Q  | (ug/l)               | Q  | (ug/kg)           | Q | (ug/kg)              | Q  | (ug/kg)           | Q  | (ug/l)            | Q  |
| 4-Nitrophenol                | 25                | U  | 25                   | U  | 9400              | U | 47000                | U  | 9900              | UJ | 250               | U  |
| Dibenzofuran                 | 10                | U  | 10                   | U  | 440               | J | 19000                | U  | 4000              | UJ | 100               | U  |
| 2,4-Dinitrotoluene           | 10                | U  | 10                   | U  | 3700              | U | 19000                | U  | 4000              | UJ | 100               | U  |
| Diethylphthalate             | 10                | U  | 10                   | U  | 3700              | U | 19000                | U  | 4000              | UJ | 100               | U  |
| 4-Chlorophenyl-Phenylether   | 10                | U  | 10                   | U  | 3700              | U | 19000                | U  | 4000              | UJ | 100               | U  |
| Fluorene                     | 10                | U  | 10                   | U  | 770               | J | 990                  | JD | 4000              | UJ | 100               | U  |
| 4-Nitroaniline               | 25                | U  | 25                   | U  | 9400              | U | 47000                | U  | 9900              | UJ | 250               | U  |
| 4,6-Dinitro-2-Methylphenol   | 25                | U  | 25                   | UJ | 9400              | U | 47000                | U  | 9900              | UJ | 250               | U  |
| N-Nitrosodiphenylamine       | 10                | U  | 10                   | U  | 3700              | U | 19000                | U  | 4000              | UJ | 100               | U  |
| 4-Bromophenyl-phenylether    | 10                | U  | 10                   | U  | 3700              | U | 19000                | U  | 4000              | UJ | 100               | U  |
| Hexachlorobenzene            | 10                | U  | 10                   | U  | 3700              | U | 19000                | U  | 4000              | UJ | 100               | U  |
| Pentachlorophenol            | 25                | U  | 25                   | UJ | 9400              | U | 47000                | U  | 9900              | UJ | 250               | U  |
| Phenanthrene                 | 2                 | J  | 2                    | J  | 12000             |   | 16000                | JD | 3400              | J  | 100               | U  |
| Anthracene                   | 1                 | J  | 1                    | J  | 1200              | J | 1500                 | JD | 590               | J  | 100               | U  |
| Carbazole                    | 10                | U  | 10                   | U  | 1800              | J | 2500                 | JD | 690               | J  | 100               | U  |
| Di-n-Butylphthalate          | 10                | U  | 10                   | U  | 2500              | J | 3200                 | JD | 8000              | J  | 100               | U  |
| Fluoranthene                 | 5                 | J  | 5                    | J  | 14000             |   | 19000                | D  | 7200              | J  | 100               | U  |
| Pyrene                       | 5                 | J  | 4                    | J  | 13000             |   | 18000                | JD | 7200              | J  | 100               | UJ |
| Butylbenzylphthalate         | 14                |    | 13                   |    | 65000             | E | 110000               | D  | 28000             | J  | 100               | U  |
| 3,3'-Dichlorobenzidine       | 10                | U  | 10                   | U  | 3700              | U | 19000                | U  | 4000              | UJ | 100               | U  |
| Benzo (a) Anthracene         | 2                 | J  | 1                    | J  | 4400              |   | 5100                 | JD | 3100              | J  | 100               | U  |
| Chrysene                     | 3                 | J  | 3                    | J  | 17000             |   | 21000                | D  | 5200              | J  | 100               | U  |
| Bis (2-Ethylhexyl) Phthalate | 10                |    | 10                   |    | 44000             | E | 67000                | D  | 8200              | J  | 100               | U  |
| Di-n-Octyl Phthalate         | 10                | UJ | 10                   | UJ | 1300              | J | 1700                 | JD | 4000              | UJ | 100               | U  |
| Benzo (b) Fluoranthene       | 5                 | J  | 4                    | J  | 14000             |   | 17000                | JD | 5400              | J  | 100               | U  |
| Benzo (k) Fluoranthene       | 2                 | J  | 3                    | J  | 4400              |   | 9000                 | JD | 2000              | J  | 100               | U  |
| Benzo (a) Pyrene             | 3                 | J  | 3                    | J  | 2800              | J | 4200                 | JD | 3200              | J  | 100               | U  |
| Indeno (1,2,3-cd) Pyrene     | 3                 | J  | 2                    | J  | 7400              | J | 9600                 | JD | 3100              | J  | 100               | U  |
| Dibenz (a,h) Anthracene      | 10                | UJ | 10                   | UJ | 3100              | J | 2800                 | JD | 750               | J  | 100               | U  |
| Benzo(g,h,i) Perylene        | 3                 | J  | 3                    | J  | 3600              | J | 5700                 | JD | 1200              | J  | 100               | U  |

Sump Sediment/Water Sample Test Results  
PCB's/Pesticides

Remedial Investigation  
Stuart-Oliver-Holtz  
Site No. 8-28-079  
Henrietta, New York

| Parameter          | NSM-1<br>10/27/94 |    | NSM-2<br>10/27/94 |    | NSM-3<br>10/27/94 |    | NSM-4<br>10/25/94 |    |
|--------------------|-------------------|----|-------------------|----|-------------------|----|-------------------|----|
|                    | (ug/l)            | Q  | (ug/kg)           | Q  | (ug/kg)           | Q  | (ug/l)            | Q  |
| PESTICIDES         |                   |    |                   |    |                   |    |                   |    |
| alpha-BHC          | 0.05              | UJ | 1.9               | UJ | 2                 | UJ | 0.05              | UJ |
| beta-BHC           | 0.05              | UJ | 1.9               | UJ | 2                 | UJ | 0.05              | U  |
| delta-BHC          | 0.05              | UJ | 1.9               | UJ | 2                 | UJ | 0.05              | UJ |
| gamma-BHC          | 0.05              | U  | 1.9               | U  | 2                 | U  | 0.05              | U  |
| Heptachlor         | 0.05              | U  | 1.9               | U  | 2                 | U  | 0.05              | U  |
| Aldrin             | 0.05              | U  | 1.9               | U  | 2                 | U  | 0.05              | U  |
| Heptachlor Epoxide | 0.05              | U  | 1.9               | U  | 2                 | U  | 0.05              | U  |
| Endosulfan I       | 0.05              | U  | 1.9               | U  | 2                 | U  | 0.05              | U  |
| Dieldrin           | 0.1               | U  | 3.7               | U  | 4                 | U  | 0.1               | U  |
| 4,4'-DDE           | 0.1               | U  | 3.7               | U  | 4                 | U  | 0.1               | U  |
| Endrin             | 0.1               | U  | 3.7               | U  | 4                 | U  | 0.1               | U  |
| Endosulfan II      | 0.1               | U  | 3.7               | U  | 4                 | U  | 0.1               | U  |
| 4,4'-DDD           | 0.1               | U  | 3.7               | U  | 4                 | U  | 0.1               | U  |
| Endosulfan Sulfate | 0.1               | U  | 3.7               | U  | 4                 | U  | 0.1               | U  |
| 4,4'-DDT           | 0.1               | U  | 3.7               | U  | 4                 | U  | 0.1               | U  |
| Methoxychlor       | 0.5               | U  | 19                | U  | 20                | U  | 0.5               | U  |
| Endrin Ketone      | 0.1               | U  | 3.7               | U  | 4                 | U  | 0.1               | U  |
| Endrin Aldehyde    | 0.1               | U  | 3.7               | U  | 4                 | U  | 0.1               | U  |
| alpha-Chlordane    | 0.05              | U  | 1.9               | U  | 2                 | U  | 0.05              | U  |
| gamma-Chlordane    | 0.05              | U  | 1.9               | U  | 2                 | U  | 0.05              | U  |
| Toxaphene          | 5                 | U  | 190               | U  | 200               | U  | 5                 | U  |
| PCB's              |                   |    |                   |    |                   |    |                   |    |
| Aroclor-1016       | 1                 | U  | 37                | U  | 40                | U  | 1                 | U  |
| Aroclor-1221       | 2                 | U  | 75                | U  | 79                | U  | 2                 | U  |
| Aroclor-1232       | 1                 | U  | 37                | U  | 40                | U  | 1                 | U  |
| Aroclor-1242       | 1                 | U  | 37                | U  | 40                | U  | 1                 | U  |
| Aroclor-1248       | 1                 | U  | 37                | U  | 40                | U  | 1                 | U  |
| Aroclor-1254       | 1                 | U  | 37                | U  | 40                | U  | 1                 | U  |
| Aroclor-1260       | 1                 | U  | 37                | U  | 40                | U  | 1                 | U  |

Sump Sediment/Water Sample Test Results  
Metals/Others

Remedial Investigation  
Stuart-Oliver-Holtz  
Site No. 8-28-079  
Henrietta, New York

| Parameter     | NSM-1<br>10/27/94<br>(mg/l) |   | NSM-2<br>10/27/94<br>(mg/kg) |     | NSM-3<br>10/27/94<br>(mg/kg) |     | NSM-4<br>10/25/94<br>(mg/l) |     |
|---------------|-----------------------------|---|------------------------------|-----|------------------------------|-----|-----------------------------|-----|
|               | Q                           |   | Q                            |     | Q                            |     | Q                           |     |
| <b>METALS</b> |                             |   |                              |     |                              |     |                             |     |
| Aluminum      | 2940                        |   | 4460                         |     | 3250                         |     | 15700                       | EJ  |
| Antimony      | 13.2                        | B | 13.6                         |     | 5.3                          | B   | 111                         | B   |
| Arsenic       | 4.1                         | B | 46.2                         | S   | 6.6                          |     | 19.1                        | RSN |
| Barium        | 198                         | B | 384                          |     | 148                          |     | 918                         | B   |
| Beryllium     | 1                           | U | 0.22                         | U   | 0.24                         | U   | 5                           | U   |
| Cadmium       | 34.7                        |   | 63.3                         | *   | 4.2                          | *   | 4430                        |     |
| Calcium       | 36800                       |   | 60900                        | *   | 162000                       | *   | 191000                      |     |
| Chromium      | 454                         |   | 714                          | *   | 165                          | *   | 4940                        |     |
| Cobalt        | 11.6                        | B | 6.1                          | B   | 3.8                          | B   | 266                         |     |
| Copper        | 261                         |   | 355                          |     | 90.8                         |     | 3580                        |     |
| Iron          | 5630                        |   | 34500                        | *   | 19700                        | *   | 1700000                     | EJ  |
| Lead          | 457                         |   | 253                          | S   | 381                          |     | 696                         | *   |
| Magnesium     | 4870                        | B | 20000                        | *   | 32500                        | *   | 17300                       | B   |
| Manganese     | 288                         |   | 310                          | NJ* | 259                          | NJ* | 7980                        |     |
| Mercury       | 2.4                         |   | 0.8                          | NJ  | 0.15                         | NJ  | 0.24                        | UJN |
| Nickel        | 840                         |   | 983                          |     | 233                          |     | 56700                       | EJ  |
| Potassium     | 2140                        | B | 1090                         | B   | 1100                         | B   | 68800                       |     |
| Selenium      | 3.6                         | B | 89.8                         | SN* | 4.4                          | S*  | 1                           | R   |
| Silver        | 6.3                         | B | 16.9                         |     | 2.9                          |     | 99.9                        | *   |
| Sodium        | 7770                        |   | 343                          | B   | 364                          | B   | 193000                      |     |
| Thallium      | 1                           | U | 0.22                         | U   | 0.24                         | U   | 20                          | EJW |
| Vanadium      | 3.7                         | B | 13.7                         |     | 11.5                         | B   | 102                         | B   |
| Zinc          | 7610                        |   | 2210                         | *   | 256                          | *   | 63500                       | EJ  |
| <b>OTHERS</b> |                             |   |                              |     |                              |     |                             |     |
| Cyanide       | 30                          |   |                              |     |                              |     |                             |     |
| Alkalinity    | 60                          |   | 1.1                          | U   | 1.2                          | U   | 10                          | U   |
| Hardness      | 540                         |   |                              |     |                              |     | 250                         |     |
|               |                             |   |                              |     |                              |     | 1100                        |     |

**Round 1 Groundwater Sample Test Results**

Round 1 Groundwater Sample Test Results  
Volatile Organic Compounds

Remedial Investigation  
Stuart - Oliver - Holz  
Site No. 8-28-079  
Henrietta, New York

| Parameter                   | Units | SOH-OW-9S<br>7/5/95 |    | SOH-OW-10S<br>7/5/95 |    | SOH-OW-11S<br>7/5/95 |    | SOH-B-101-OW<br>7/5/95 |    | SOH-1-TB<br>7/5/95 |    |
|-----------------------------|-------|---------------------|----|----------------------|----|----------------------|----|------------------------|----|--------------------|----|
|                             |       | Q                   |    | Q                    |    | Q                    |    | Q                      |    | Q                  |    |
| Chloromethane               | ug/L  | 10                  | UJ | 10                   | UJ | 10                   | UJ | 200                    | U  | 10                 | UJ |
| Bromomethane                | ug/L  | 10                  | UJ | 10                   | UJ | 10                   | UJ | 200                    | U  | 10                 | UJ |
| Vinyl chloride              | ug/L  | 10                  | UJ | 10                   | UJ | 2.7                  | J  | 200                    | U  | 10                 | UJ |
| Chloroethane                | ug/L  | 10                  | U  | 10                   | U  | 10                   | U  | 200                    | U  | 10                 | U  |
| Methylene chloride          | ug/L  | 10                  | UJ | 10                   | UJ | 10                   | UJ | 200                    | UJ | 6.4                | J  |
| Acetone                     | ug/L  | 10                  | UJ | 10                   | UJ | 10                   | UJ | 200                    | UJ | 10                 | UJ |
| Carbon disulfide            | ug/L  | 10                  | UJ | 10                   | UJ | 10                   | UJ | 200                    | UJ | 10                 | UJ |
| 1,1-Dichloroethene          | ug/L  | 10                  | U  | 10                   | U  | 19                   | J  | 96                     | JD | 10                 | U  |
| 1,1-Dichloroethane          | ug/L  | 10                  | U  | 10                   | U  | 8.6                  | J  | 200                    | U  | 10                 | U  |
| 1,2-Dichloroethene (total)  | ug/L  | 10                  | U  | 10                   | U  | 10                   | U  | 63                     | J  | 10                 | U  |
| Chloroform                  | ug/L  | 10                  | U  | 7.2                  | J  | 10                   | U  | 200                    | U  | 10                 | U  |
| 1,2-Dichloroethane          | ug/L  | 10                  | U  | 10                   | U  | 10                   | U  | 200                    | U  | 10                 | U  |
| 2-Butanone (MEK)            | ug/L  | 10                  | UJ | 10                   | U  | 10                   | U  | 200                    | UJ | 10                 | UJ |
| 1,1,1-Trichloroethane       | ug/L  | 10                  | U  | 10                   | U  | 520                  | D  | 1400                   | D  | 10                 | U  |
| Carbon tetrachloride        | ug/L  | 10                  | U  | 10                   | U  | 10                   | U  | 200                    | U  | 10                 | U  |
| Bromodichloromethane        | ug/L  | 10                  | U  | 10                   | U  | 10                   | U  | 200                    | U  | 10                 | U  |
| 1,2-Dichloropropane         | ug/L  | 10                  | U  | 10                   | U  | 10                   | U  | 200                    | U  | 10                 | U  |
| cis-1,3-Dichloropropene     | ug/L  | 10                  | U  | 10                   | U  | 10                   | U  | 200                    | U  | 10                 | U  |
| Trichloroethene (TCE)       | ug/L  | 10                  | U  | 10                   | U  | 10                   | U  | 200                    | U  | 10                 | U  |
| Dibromochloromethane        | ug/L  | 10                  | U  | 10                   | U  | 10                   | U  | 200                    | U  | 10                 | U  |
| 1,1,2-Trichloroethane       | ug/L  | 10                  | U  | 10                   | U  | 10                   | U  | 200                    | U  | 10                 | U  |
| Benzene                     | ug/L  | 10                  | U  | 10                   | U  | 10                   | U  | 200                    | U  | 10                 | U  |
| trans-1,3-Dichloropropene   | ug/L  | 10                  | U  | 10                   | U  | 10                   | U  | 200                    | U  | 10                 | U  |
| Bromoform                   | ug/L  | 10                  | U  | 10                   | U  | 10                   | U  | 200                    | U  | 10                 | U  |
| 4-Methyl-2-pentanone (MIBK) | ug/L  | 10                  | UJ | 10                   | UJ | 10                   | UJ | 200                    | UJ | 10                 | UJ |
| 2-Hexanone                  | ug/L  | 10                  | UJ | 10                   | UJ | 10                   | UJ | 200                    | UJ | 10                 | UJ |
| Tetrachloroethene           | ug/L  | 10                  | U  | 10                   | U  | 10                   | U  | 200                    | U  | 10                 | U  |
| 1,1,2,2-Tetrachloroethane   | ug/L  | 10                  | U  | 10                   | U  | 10                   | U  | 200                    | U  | 10                 | U  |
| Toluene                     | ug/L  | 10                  | U  | 10                   | U  | 10                   | U  | 200                    | U  | 10                 | U  |
| Chlorobenzene               | ug/L  | 10                  | U  | 10                   | U  | 10                   | U  | 200                    | U  | 10                 | U  |
| Ethylbenzene                | ug/L  | 10                  | U  | 10                   | U  | 10                   | U  | 200                    | U  | 10                 | U  |
| Styrene                     | ug/L  | 10                  | U  | 10                   | U  | 10                   | U  | 200                    | U  | 10                 | U  |
| Xylenes (total)             | ug/L  | 10                  | U  | 10                   | U  | 10                   | U  | 200                    | U  | 10                 | U  |

Round 1 Groundwater Sample Test Results  
Volatile Organic Compounds

Remedial Investigation  
Stuart - Oliver - Holtz  
Site No. 8-28-079  
Henrietta, New York

| Parameter                   | Units | SOH-OW-2S<br>7/6/95 |    | SOH-OW-1S<br>7/6/95 |    | SOH-OW-5S<br>7/6/95 |    | SOH-1-DUP1<br>7/6/95 |    | SOH-2-TB<br>7/6/95 |    |
|-----------------------------|-------|---------------------|----|---------------------|----|---------------------|----|----------------------|----|--------------------|----|
|                             |       | Q                   |    | Q                   |    | Q                   |    | Q                    |    | Q                  |    |
| Chloromethane               | ug/L  | 10                  | U  | 10                  | U  | 10                  | U  | 10                   | U  | 10                 | U  |
| Bromomethane                | ug/L  | 10                  | U  | 10                  | U  | 10                  | U  | 10                   | U  | 10                 | U  |
| Vinyl chloride              | ug/L  | 10                  | U  | 10                  | U  | 10                  | U  | 10                   | U  | 48                 | U  |
| Chloroethane                | ug/L  | 10                  | U  | 10                  | U  | 10                  | U  | 10                   | U  | 10                 | U  |
| Methylene chloride          | ug/L  | 10                  | UJ | 10                  | UJ | 10                  | UJ | 10                   | UJ | 11                 | J  |
| Acetone                     | ug/L  | 10                  | UJ | 10                  | UJ | 10                  | UJ | 10                   | UJ | 10                 | UJ |
| Carbon disulfide            | ug/L  | 10                  | UJ | 10                  | UJ | 10                  | UJ | 10                   | UJ | 10                 | UJ |
| 1,1-Dichloroethene          | ug/L  | 10                  | UJ | 10                  | UJ | 10                  | UJ | 10                   | UJ | 9.8                | J  |
| 1,1-Dichloroethane          | ug/L  | 10                  | U  | 10                  | U  | 58                  | U  | 65                   | U  | 130                | U  |
| 1,2-Dichloroethene (total)  | ug/L  | 10                  | U  | 10                  | U  | 16                  | U  | 16                   | U  | 40                 | U  |
| Chloroform                  | ug/L  | 10                  | U  | 10                  | U  | 10                  | U  | 10                   | U  | 10                 | U  |
| 1,2-Dichloroethane          | ug/L  | 10                  | U  | 10                  | U  | 10                  | U  | 10                   | U  | 10                 | U  |
| 2-Butanone (MEK)            | ug/L  | 10                  | UJ | 10                  | UJ | 10                  | UJ | 10                   | UJ | 10                 | UJ |
| 1,1,1-Trichloroethane       | ug/L  | 10                  | U  | 10                  | U  | 10                  | U  | 10                   | U  | 43                 | U  |
| Carbon tetrachloride        | ug/L  | 10                  | U  | 10                  | U  | 10                  | U  | 10                   | U  | 10                 | U  |
| Bromodichloromethane        | ug/L  | 10                  | U  | 10                  | U  | 10                  | U  | 10                   | U  | 10                 | U  |
| 1,2-Dichloropropane         | ug/L  | 10                  | U  | 10                  | U  | 10                  | U  | 10                   | U  | 10                 | U  |
| cis-1,3-Dichloropropene     | ug/L  | 10                  | U  | 10                  | U  | 10                  | U  | 10                   | U  | 10                 | U  |
| Trichloroethene (TCE)       | ug/L  | 10                  | U  | 34                  | U  | 14                  | U  | 15                   | U  | 14                 | U  |
| Dibromochloromethane        | ug/L  | 10                  | U  | 10                  | U  | 10                  | U  | 10                   | U  | 10                 | U  |
| 1,1,2-Trichloroethane       | ug/L  | 10                  | U  | 10                  | U  | 10                  | U  | 10                   | U  | 10                 | U  |
| Benzene                     | ug/L  | 10                  | U  | 10                  | U  | 10                  | U  | 10                   | U  | 10                 | U  |
| trans-1,3-Dichloropropene   | ug/L  | 10                  | U  | 10                  | U  | 10                  | U  | 10                   | U  | 10                 | U  |
| Bromoform                   | ug/L  | 10                  | U  | 10                  | U  | 10                  | U  | 10                   | U  | 10                 | U  |
| 4-Methyl-2-pentanone (MIBK) | ug/L  | 10                  | UJ | 10                  | UJ | 10                  | UJ | 10                   | UJ | 10                 | UJ |
| 2-Hexanone                  | ug/L  | 10                  | UJ | 10                  | UJ | 10                  | UJ | 10                   | UJ | 10                 | UJ |
| Tetrachloroethene           | ug/L  | 10                  | U  | 10                  | U  | 10                  | U  | 10                   | U  | 49                 | U  |
| 1,1,2,2-Tetrachloroethane   | ug/L  | 10                  | U  | 10                  | U  | 10                  | U  | 10                   | U  | 10                 | U  |
| Toluene                     | ug/L  | 10                  | U  | 10                  | U  | 10                  | U  | 10                   | U  | 10                 | U  |
| Chlorobenzene               | ug/L  | 10                  | U  | 10                  | U  | 10                  | U  | 10                   | U  | 10                 | U  |
| Ethylbenzene                | ug/L  | 10                  | U  | 10                  | U  | 10                  | U  | 10                   | U  | 10                 | U  |
| Styrene                     | ug/L  | 10                  | U  | 10                  | U  | 10                  | U  | 10                   | U  | 10                 | U  |
| Xylenes (total)             | ug/L  | 10                  | U  | 10                  | U  | 10                  | U  | 10                   | U  | 10                 | U  |

Round 1 Groundwater Sample Test Results  
Volatile Organic Compounds

Remedial Investigation  
Stuart - Oliver - Holtz  
Site No. 8-28-079  
Henrietta, New York

| Parameter                   | Units | SOH-OW-6S<br>7/7/95 |    | SOH-OW-3S<br>7/7/95 |    | SOH-OW-4S<br>7/7/95 |    | SOH-1-MS<br>7/7/95 |   | SOH-1-MS(D)<br>7/7/95 |   |
|-----------------------------|-------|---------------------|----|---------------------|----|---------------------|----|--------------------|---|-----------------------|---|
|                             |       | Q                   |    | Q                   |    | Q                   |    | Q                  |   | Q                     |   |
| Chloromethane               | ug/L  | 10                  | U  | 10                  | U  | 10                  | U  | 10                 | U | 10                    | U |
| Bromomethane                | ug/L  | 10                  | U  | 10                  | U  | 10                  | U  | 10                 | U | 10                    | U |
| Vinyl chloride              | ug/L  | 10                  | U  | 6200                | D  | 7.4                 | J  | 10                 | U | 10                    | U |
| Chloroethane                | ug/L  | 21                  | U  | 10                  | U  | 10                  | U  | 10                 | U | 10                    | U |
| Methylene chloride          | ug/L  | 10                  | UJ | 10                  | UJ | 10                  | UJ | 1.2                | J | 1.5                   | J |
| Acetone                     | ug/L  | 10                  | UJ | 10                  | UJ | 10                  | UJ | 13                 | U | 17                    | U |
| Carbon disulfide            | ug/L  | 10                  | UJ | 10                  | UJ | 10                  | UJ | 10                 | U | 10                    | U |
| 1,1-Dichloroethene          | ug/L  | 900                 | DJ | 9.2                 | J  | 17                  | J  | 59                 | U | 67                    | U |
| 1,1-Dichloroethane          | ug/L  | 3700                | D  | 50                  | U  | 800                 | D  | 560                | U | 590                   | U |
| 1,2-Dichloroethene (total)  | ug/L  | 10                  | U  | 4800                | D  | 14                  | U  | 10                 | U | 10                    | U |
| Chloroform                  | ug/L  | 10                  | U  | 10                  | U  | 10                  | U  | 10                 | U | 10                    | U |
| 1,2-Dichloroethane          | ug/L  | 10                  | U  | 10                  | U  | 10                  | U  | 10                 | U | 10                    | U |
| 2-Butanone (MEK)            | ug/L  | 10                  | UJ | 10                  | UJ | 10                  | UJ | 10                 | U | 10                    | U |
| 1,1,1-Trichloroethane       | ug/L  | 24000               | D  | 10                  | U  | 170                 | U  | 200                | U | 190                   | U |
| Carbon tetrachloride        | ug/L  | 10                  | U  | 10                  | U  | 10                  | U  | 10                 | U | 10                    | U |
| Bromodichloromethane        | ug/L  | 10                  | U  | 10                  | U  | 10                  | U  | 10                 | U | 10                    | U |
| 1,2-Dichloropropane         | ug/L  | 10                  | U  | 10                  | U  | 10                  | U  | 10                 | U | 10                    | U |
| cis-1,3-Dichloropropene     | ug/L  | 10                  | U  | 10                  | U  | 10                  | U  | 10                 | U | 10                    | U |
| Trichloroethene (TCE)       | ug/L  | 88                  | U  | 800                 | D  | 2.4                 | J  | 42                 | U | 48                    | U |
| Dibromochloromethane        | ug/L  | 10                  | U  | 10                  | U  | 10                  | U  | 10                 | U | 10                    | U |
| 1,1,2-Trichloroethane       | ug/L  | 12                  | U  | 10                  | U  | 10                  | U  | 10                 | U | 10                    | U |
| Benzene                     | ug/L  | 10                  | U  | 10                  | U  | 10                  | U  | 10                 | U | 10                    | U |
| trans-1,3-Dichloropropene   | ug/L  | 10                  | U  | 10                  | U  | 10                  | U  | 10                 | U | 10                    | U |
| Bromoform                   | ug/L  | 10                  | U  | 10                  | U  | 10                  | U  | 10                 | U | 10                    | U |
| 4-Methyl-2-pentanone (MIBK) | ug/L  | 10                  | UJ | 10                  | UJ | 10                  | UJ | 10                 | U | 10                    | U |
| 2-Hexanone                  | ug/L  | 10                  | U  | 10                  | UJ | 10                  | UJ | 10                 | U | 10                    | U |
| Tetrachloroethene           | ug/L  | 2400                | D  | 1500                | D  | 4.7                 | J  | 10                 | U | 10                    | U |
| 1,1,2,2-Tetrachloroethane   | ug/L  | 10                  | U  | 10                  | U  | 10                  | U  | 10                 | U | 10                    | U |
| Toluene                     | ug/L  | 10                  | U  | 10                  | U  | 10                  | U  | 45                 | U | 53                    | U |
| Chlorobenzene               | ug/L  | 10                  | U  | 10                  | U  | 10                  | U  | 43                 | U | 50                    | U |
| Ethylbenzene                | ug/L  | 10                  | U  | 10                  | U  | 10                  | U  | 10                 | U | 10                    | U |
| Styrene                     | ug/L  | 10                  | U  | 10                  | U  | 10                  | U  | 10                 | U | 10                    | U |
| Xylenes (total)             | ug/L  | 10                  | U  | 10                  | U  | 10                  | U  | 10                 | U | 10                    | U |



Round 1 Groundwater Sample Test Results  
Volatile Organic Compounds

Remedial Investigation  
Stuart - Oliver - Hottz  
Site No. 8-28-079  
Henrietta, New York

| Parameter                   | Units | SOH-MW-5 |   | SOH-MW-2 |   | SOH-MW-3 |   | SOH-OW-7S |   | SOH-EB-WATER |   | SOH-4-TB |   |
|-----------------------------|-------|----------|---|----------|---|----------|---|-----------|---|--------------|---|----------|---|
|                             |       | 7/10/95  |   | 7/10/95  |   | 7/10/95  |   | 7/10/95   |   | 7/10/95      |   | 7/10/95  |   |
| Chloromethane               | ug/L  | 500      | U | 1000     | U | 25       | U | 13000     | U | 10           | U | 10       | U |
| Bromomethane                | ug/L  | 500      | U | 1000     | U | 25       | U | 13000     | U | 10           | U | 10       | U |
| Vinyl chloride              | ug/L  | 11000    | D | 1000     | U | 27       | D | 13000     | U | 10           | U | 10       | U |
| Chloroethane                | ug/L  | 500      | U | 1000     | U | 25       | U | 13000     | U | 10           | U | 10       | U |
| Methylene chloride          | ug/L  | 500      | U | 1000     | U | 25       | U | 26000     | U | 3.8          | J | 3.9      | J |
| Acetone                     | ug/L  | 500      | U | 1000     | U | 25       | U | 13000     | U | 10           | U | 10       | U |
| Carbon disulfide            | ug/L  | 500      | U | 1000     | U | 25       | U | 13000     | U | 10           | U | 10       | U |
| 1,1-Dichloroethene          | ug/L  | 500      | U | 500      | J | 42       | D | 13000     | U | 10           | U | 10       | U |
| 1,1-Dichloroethane          | ug/L  | 500      | U | 10000    | D | 250      | D | 1500      | J | 10           | U | 10       | U |
| 1,2-Dichloroethene (total)  | ug/L  | 7200     | D | 500      | J | 49       | D | 10000     | J | 10           | U | 10       | U |
| Chloroform                  | ug/L  | 500      | U | 1000     | U | 25       | U | 13000     | U | 10           | U | 10       | U |
| 1,2-Dichloroethane          | ug/L  | 500      | U | 1000     | U | 25       | U | 13000     | U | 10           | U | 10       | U |
| 2-Butanone (MEK)            | ug/L  | 500      | U | 1000     | U | 25       | U | 13000     | U | 10           | U | 10       | U |
| 1,1,1-Trichloroethane       | ug/L  | 500      | U | 2600     | D | 11       | J | 13000     | U | 10           | U | 10       | U |
| Carbon tetrachloride        | ug/L  | 500      | U | 1000     | U | 25       | U | 13000     | U | 10           | U | 10       | U |
| Bromodichloromethane        | ug/L  | 500      | U | 1000     | U | 25       | U | 13000     | U | 10           | U | 10       | U |
| 1,2-Dichloropropane         | ug/L  | 500      | U | 1000     | U | 25       | U | 13000     | U | 10           | U | 10       | U |
| cis-1,3-Dichloropropene     | ug/L  | 500      | U | 1000     | U | 25       | U | 13000     | U | 10           | U | 10       | U |
| Trichloroethene (TCE)       | ug/L  | 2600     | D | 1800     | D | 25       | U | 140000    | D | 10           | U | 10       | U |
| Dibromochloromethane        | ug/L  | 500      | U | 1000     | U | 25       | U | 13000     | U | 10           | U | 10       | U |
| 1,1,2-Trichloroethane       | ug/L  | 500      | U | 1000     | U | 25       | U | 13000     | U | 10           | U | 10       | U |
| Benzene                     | ug/L  | 500      | U | 1000     | U | 25       | U | 13000     | U | 10           | U | 10       | U |
| trans-1,3-Dichloropropene   | ug/L  | 500      | U | 1000     | U | 25       | U | 13000     | U | 10           | U | 10       | U |
| Bromoform                   | ug/L  | 500      | U | 1000     | U | 25       | U | 13000     | U | 10           | U | 10       | U |
| 4-Methyl-2-pentanone (MIBK) | ug/L  | 500      | U | 1000     | U | 25       | U | 13000     | U | 10           | U | 10       | U |
| 2-Hexanone                  | ug/L  | 500      | U | 1000     | U | 25       | U | 13000     | U | 10           | U | 10       | U |
| Tetrachloroethene           | ug/L  | 8800     | D | 1000     | U | 25       | U | 13000     | U | 10           | U | 10       | U |
| 1,1,2,2-Tetrachloroethane   | ug/L  | 500      | U | 1000     | U | 25       | U | 13000     | U | 10           | U | 10       | U |
| Toluene                     | ug/L  | 500      | U | 1000     | U | 25       | U | 13000     | U | 10           | U | 10       | U |
| Chlorobenzene               | ug/L  | 500      | U | 1000     | U | 25       | U | 13000     | U | 10           | U | 10       | U |
| Ethylbenzene                | ug/L  | 500      | U | 1000     | U | 25       | U | 13000     | U | 10           | U | 10       | U |
| Styrene                     | ug/L  | 500      | U | 1000     | U | 25       | U | 13000     | U | 10           | U | 10       | U |
| Xylenes (total)             | ug/L  | 500      | U | 1000     | U | 25       | U | 13000     | U | 10           | U | 10       | U |

Round 1 Groundwater Sample Test Results  
Volatile Organic Compounds

Remedial Investigation  
Stuart - Olver - Holtz  
Site No. 8-28-079  
Henrietta, New York

| Parameter                   | Units | SOH-OW-1R<br>7/11/95 |   | SOH-OW-2R<br>7/11/95 |   | SOH-OW-2-MS<br>7/11/95 |   | SOH-2-MS(D)<br>7/11/95 |   | SOH-OW-3R<br>7/11/95 |   | SOH-5-TB<br>7/11/95 |   |
|-----------------------------|-------|----------------------|---|----------------------|---|------------------------|---|------------------------|---|----------------------|---|---------------------|---|
|                             |       | Q                    |   | Q                    |   | Q                      |   | Q                      |   | Q                    |   | Q                   |   |
| Chloromethane               | ug/L  | 10                   | U | 10                   | U | 10                     | U | 10                     | U | 8.1                  | J | 10                  | U |
| Bromomethane                | ug/L  | 10                   | U | 10                   | U | 10                     | U | 10                     | U | 10                   | U | 10                  | U |
| Vinyl chloride              | ug/L  | 10                   | U | 10                   | U | 10                     | U | 10                     | U | 10                   | U | 10                  | U |
| Chloroethane                | ug/L  | 10                   | U | 10                   | U | 10                     | U | 10                     | U | 10                   | U | 10                  | U |
| Methylene chloride          | ug/L  | 10                   | U | 10                   | U | 7.8                    | J | 8                      | J | 10                   | U | 8.3                 | J |
| Acetone                     | ug/L  | 10                   | U | 6.5                  | J | 10                     | U | 10                     | U | 12                   | J | 10                  | U |
| Carbon disulfide            | ug/L  | 10                   | U | 10                   | U | 10                     | U | 10                     | U | 10                   | U | 10                  | U |
| 1,1-Dichloroethene          | ug/L  | 10                   | U | 10                   | U | 68                     | J | 72                     | J | 10                   | U | 10                  | U |
| 1,1-Dichloroethane          | ug/L  | 10                   | U | 10                   | U | 10                     | U | 10                     | U | 10                   | U | 10                  | U |
| 1,2-Dichloroethene (total)  | ug/L  | 10                   | U | 3.8                  | J | 4.7                    | J | 4.8                    | J | 10                   | U | 10                  | U |
| Chloroform                  | ug/L  | 10                   | U | 10                   | U | 10                     | U | 10                     | U | 10                   | U | 10                  | U |
| 1,2-Dichloroethane          | ug/L  | 10                   | U | 10                   | U | 10                     | U | 10                     | U | 10                   | U | 10                  | U |
| 2-Butanone (MEK)            | ug/L  | 10                   | U | 10                   | U | 10                     | U | 10                     | U | 10                   | U | 10                  | U |
| 1,1,1-Trichloroethane       | ug/L  | 10                   | U | 10                   | U | 10                     | U | 10                     | U | 10                   | U | 10                  | U |
| Carbon tetrachloride        | ug/L  | 10                   | U | 10                   | U | 10                     | U | 10                     | U | 10                   | U | 10                  | U |
| Bromodichloromethane        | ug/L  | 10                   | U | 10                   | U | 10                     | U | 10                     | U | 10                   | U | 10                  | U |
| 1,2-Dichloropropane         | ug/L  | 10                   | U | 10                   | U | 10                     | U | 10                     | U | 10                   | U | 10                  | U |
| cis-1,3-Dichloropropene     | ug/L  | 10                   | U | 10                   | U | 10                     | U | 10                     | U | 10                   | U | 10                  | U |
| Trichloroethene (TCE)       | ug/L  | 10                   | U | 10                   | U | 68                     | J | 68                     | J | 10                   | U | 2.1                 | J |
| Dibromochloromethane        | ug/L  | 10                   | U | 10                   | U | 10                     | U | 10                     | U | 10                   | U | 10                  | U |
| 1,1,2-Trichloroethane       | ug/L  | 10                   | U | 10                   | U | 10                     | U | 10                     | U | 10                   | U | 10                  | U |
| Benzene                     | ug/L  | 10                   | U | 10                   | U | 62                     | J | 64                     | J | 10                   | U | 10                  | U |
| trans-1,3-Dichloropropene   | ug/L  | 10                   | U | 10                   | U | 10                     | U | 10                     | U | 10                   | U | 10                  | U |
| Bromoform                   | ug/L  | 10                   | U | 10                   | U | 10                     | U | 10                     | U | 10                   | U | 10                  | U |
| 4-Methyl-2-pentanone (MIBK) | ug/L  | 10                   | U | 10                   | U | 10                     | U | 10                     | U | 10                   | U | 10                  | U |
| 2-Hexanone                  | ug/L  | 10                   | U | 10                   | U | 10                     | U | 10                     | U | 10                   | U | 10                  | U |
| Tetrachloroethene           | ug/L  | 10                   | U | 10                   | U | 2.9                    | J | 10                     | U | 5.4                  | J | 10                  | U |
| 1,1,2,2-Tetrachloroethane   | ug/L  | 10                   | U | 10                   | U | 10                     | U | 10                     | U | 10                   | U | 10                  | U |
| Toluene                     | ug/L  | 10                   | U | 10                   | U | 55                     | J | 56                     | J | 10                   | U | 10                  | U |
| Chlorobenzene               | ug/L  | 10                   | U | 10                   | U | 49                     | J | 50                     | J | 10                   | U | 10                  | U |
| Ethylbenzene                | ug/L  | 10                   | U | 10                   | U | 10                     | U | 10                     | U | 10                   | U | 10                  | U |
| Styrene                     | ug/L  | 10                   | U | 10                   | U | 10                     | U | 10                     | U | 10                   | U | 10                  | U |
| Xylenes (total)             | ug/L  | 10                   | U | 10                   | U | 10                     | U | 10                     | U | 10                   | U | 10                  | U |

Round 1 Groundwater Sample Test Results  
Volatile Organic Compounds

Remedial Investigation  
Stuart - Oliver - Holtz  
Site No. 8-28-079  
Henrietta, New York

| Parameter                   | Units | SOH-6-TB<br>7/12/95 |   | SOH-1W-1R<br>7/12/95 |    | SOH-1W-2R<br>7/12/95 |   | SOH-OW-8S<br>7/17/95 |    | SOH-3-TB<br>7/17/95 |    |
|-----------------------------|-------|---------------------|---|----------------------|----|----------------------|---|----------------------|----|---------------------|----|
|                             |       | Q                   |   | Q                    |    | Q                    |   | Q                    |    | Q                   |    |
| Chloromethane               | ug/L  | 10                  | U | 25                   | U  | 500                  | U | 10                   | U  | 10                  | U  |
| Bromomethane                | ug/L  | 10                  | U | 25                   | U  | 500                  | U | 10                   | U  | 10                  | U  |
| Vinyl chloride              | ug/L  | 10                  | U | 110                  | D  | 500                  | U | 5                    | J  | 10                  | U  |
| Chloroethane                | ug/L  | 10                  | U | 25                   | U  | 500                  | U | 10                   | U  | 10                  | U  |
| Methylene chloride          | ug/L  | 7.6                 | J | 25                   | U  | 1100                 | U | 10                   | UJ | 9.5                 | J  |
| Acetone                     | ug/L  | 10                  | U | 25                   | U  | 500                  | U | 9.8                  | J  | 10                  | UJ |
| Carbon disulfide            | ug/L  | 10                  | U | 25                   | U  | 500                  | U | 10                   | UJ | 10                  | UJ |
| 1,1-Dichloroethene          | ug/L  | 2                   | J | 25                   | U  | 500                  | U | 4.7                  | J  | 10                  | UJ |
| 1,1-Dichloroethane          | ug/L  | 10                  | U | 21                   | JD | 500                  | U | 180                  | U  | 10                  | U  |
| 1,2-Dichloroethene (total)  | ug/L  | 10                  | U | 580                  | D  | 6700                 | D | 2.9                  | J  | 10                  | U  |
| Chloroform                  | ug/L  | 10                  | U | 25                   | U  | 500                  | U | 10                   | U  | 10                  | U  |
| 1,2-Dichloroethane          | ug/L  | 10                  | U | 25                   | U  | 500                  | U | 10                   | U  | 10                  | U  |
| 2-Butanone (MEK)            | ug/L  | 10                  | U | 25                   | U  | 500                  | U | 10                   | UJ | 10                  | UJ |
| 1,1,1-Trichloroethane       | ug/L  | 13                  | U | 25                   | U  | 500                  | U | 3.1                  | J  | 10                  | U  |
| Carbon tetrachloride        | ug/L  | 10                  | U | 25                   | U  | 500                  | U | 10                   | U  | 10                  | U  |
| Bromodichloromethane        | ug/L  | 10                  | U | 25                   | U  | 500                  | U | 10                   | U  | 10                  | U  |
| 1,2-Dichloropropane         | ug/L  | 10                  | U | 25                   | U  | 500                  | U | 10                   | U  | 10                  | U  |
| cis-1,3-Dichloropropene     | ug/L  | 10                  | U | 25                   | U  | 500                  | U | 10                   | U  | 10                  | U  |
| Trichloroethene (TCE)       | ug/L  | 1.9                 | J | 64                   | D  | 500                  | U | 1.4                  | J  | 10                  | U  |
| Dibromochloromethane        | ug/L  | 10                  | U | 25                   | U  | 500                  | U | 10                   | U  | 10                  | U  |
| 1,1,2-Trichloroethane       | ug/L  | 10                  | U | 25                   | U  | 500                  | U | 10                   | U  | 10                  | U  |
| Benzene                     | ug/L  | 10                  | U | 25                   | U  | 500                  | U | 10                   | U  | 10                  | U  |
| trans-1,3-Dichloropropene   | ug/L  | 10                  | U | 25                   | U  | 500                  | U | 10                   | U  | 10                  | U  |
| Bromoform                   | ug/L  | 10                  | U | 25                   | U  | 500                  | U | 10                   | U  | 10                  | U  |
| 4-Methyl-2-pentanone (MIBK) | ug/L  | 10                  | U | 25                   | U  | 500                  | U | 10                   | UJ | 10                  | UJ |
| 2-Hexanone                  | ug/L  | 10                  | U | 25                   | U  | 500                  | U | 10                   | UJ | 10                  | UJ |
| Tetrachloroethene           | ug/L  | 4.6                 | J | 25                   | U  | 500                  | U | 3.3                  | J  | 10                  | U  |
| 1,1,2,2-Tetrachloroethane   | ug/L  | 10                  | U | 25                   | U  | 500                  | U | 10                   | U  | 10                  | U  |
| Toluene                     | ug/L  | 10                  | U | 25                   | U  | 500                  | U | 10                   | U  | 10                  | U  |
| Chlorobenzene               | ug/L  | 10                  | U | 25                   | U  | 500                  | U | 10                   | U  | 10                  | U  |
| Ethylbenzene                | ug/L  | 10                  | U | 25                   | U  | 500                  | U | 10                   | U  | 10                  | U  |
| Styrene                     | ug/L  | 10                  | U | 25                   | U  | 500                  | U | 10                   | U  | 10                  | U  |
| Xylenes (total)             | ug/L  | 10                  | U | 25                   | U  | 500                  | U | 10                   | U  | 10                  | U  |

Round 1 Groundwater Sample Test Results  
Volatile Organic Compounds

Remedial Investigation  
Stuart - Oliver - Holtz  
Site No. 8-28-079  
Henrietta, New York

| Parameter                   | Units | SOH-7-TB<br>7/13/95 |   | SOH-OW-4R<br>7/13/95 |   | SOH-OW-7R<br>7/13/95 |    | SOH-1-DUP2<br>7/13/95 |    | SOH-OW-LS<br>7/13/95 |   |
|-----------------------------|-------|---------------------|---|----------------------|---|----------------------|----|-----------------------|----|----------------------|---|
|                             |       | Q                   | Q | Q                    | Q | Q                    | Q  | Q                     | Q  | Q                    | Q |
| Chloromethane               | ug/L  | 10                  | U | 10                   | U | 500                  | U  | 500                   | U  | 10                   | U |
| Bromomethane                | ug/L  | 10                  | U | 10                   | U | 500                  | U  | 500                   | U  | 10                   | U |
| Vinyl chloride              | ug/L  | 10                  | U | 10                   | U | 500                  | U  | 500                   | U  | 10                   | U |
| Chloroethane                | ug/L  | 10                  | U | 10                   | U | 500                  | U  | 500                   | U  | 10                   | U |
| Methylene chloride          | ug/L  | 8.3                 | J | 16                   | U | 5500                 | BD | 6000                  | BD | 10                   | U |
| Acetone                     | ug/L  | 10                  | U | 10                   | U | 500                  | U  | 500                   | U  | 10                   | U |
| Carbon disulfide            | ug/L  | 10                  | U | 10                   | U | 500                  | U  | 500                   | U  | 10                   | U |
| 1,1-Dichloroethene          | ug/L  | 10                  | U | 10                   | U | 250                  | JD | 270                   | JD | 10                   | U |
| 1,1-Dichloroethane          | ug/L  | 10                  | U | 12                   | U | 5900                 | D  | 6300                  | D  | 10                   | U |
| 1,2-Dichloroethene (total)  | ug/L  | 10                  | U | 14                   | U | 9000                 | D  | 8100                  | D  | 10                   | U |
| Chloroform                  | ug/L  | 10                  | U | 10                   | U | 500                  | U  | 500                   | U  | 10                   | U |
| 1,2-Dichloroethane          | ug/L  | 10                  | U | 10                   | U | 500                  | U  | 500                   | U  | 10                   | U |
| 2-Butanone (MEK)            | ug/L  | 10                  | U | 10                   | U | 500                  | U  | 500                   | U  | 10                   | U |
| 1,1,1-Trichloroethane       | ug/L  | 10                  | U | 10                   | U | 170                  | JD | 500                   | U  | 10                   | U |
| Carbon tetrachloride        | ug/L  | 10                  | U | 10                   | U | 500                  | U  | 500                   | U  | 10                   | U |
| Bromodichloromethane        | ug/L  | 10                  | U | 10                   | U | 500                  | U  | 500                   | U  | 10                   | U |
| 1,2-Dichloropropane         | ug/L  | 10                  | U | 10                   | U | 500                  | U  | 500                   | U  | 10                   | U |
| cis-1,3-Dichloropropene     | ug/L  | 10                  | U | 10                   | U | 500                  | U  | 500                   | U  | 10                   | U |
| Trichloroethene (TCE)       | ug/L  | 10                  | U | 15                   | U | 10000                | D  | 11000                 | D  | 4.3                  | J |
| Dibromochloromethane        | ug/L  | 10                  | U | 10                   | U | 500                  | U  | 500                   | U  | 10                   | U |
| 1,1,2-Trichloroethane       | ug/L  | 10                  | U | 10                   | U | 500                  | U  | 500                   | U  | 10                   | U |
| Benzene                     | ug/L  | 10                  | U | 10                   | U | 500                  | U  | 500                   | U  | 10                   | U |
| trans-1,3-Dichloropropene   | ug/L  | 10                  | U | 10                   | U | 500                  | U  | 500                   | U  | 10                   | U |
| Bromoform                   | ug/L  | 10                  | U | 10                   | U | 500                  | U  | 500                   | U  | 10                   | U |
| 4-Methyl-2-pentanone (MIBK) | ug/L  | 10                  | U | 10                   | U | 500                  | U  | 500                   | U  | 10                   | U |
| 2-Hexanone                  | ug/L  | 10                  | U | 10                   | U | 500                  | U  | 500                   | U  | 10                   | U |
| Tetrachloroethene           | ug/L  | 10                  | U | 10                   | U | 66                   | JD | 500                   | U  | 10                   | U |
| 1,1,2,2-Tetrachloroethane   | ug/L  | 10                  | U | 10                   | U | 500                  | U  | 500                   | U  | 10                   | U |
| Toluene                     | ug/L  | 10                  | U | 10                   | U | 500                  | U  | 500                   | U  | 10                   | U |
| Chlorobenzene               | ug/L  | 10                  | U | 10                   | U | 500                  | U  | 500                   | U  | 10                   | U |
| Ethylbenzene                | ug/L  | 10                  | U | 10                   | U | 500                  | U  | 500                   | U  | 10                   | U |
| Styrene                     | ug/L  | 10                  | U | 10                   | U | 500                  | U  | 500                   | U  | 10                   | U |
| Xylenes (total)             | ug/L  | 10                  | U | 10                   | U | 500                  | U  | 500                   | U  | 10                   | U |

Round 1 Groundwater Sample Test Results  
Semi-Volatile Organic Compounds

Remedial Investigation  
Stuart - Oliver - Holtz  
Site No. 8-28-079  
Henrietta, New York

| Parameter                    | Units | SOH-OW-9S |   | SOH-OW-10S |   | SOH-OW-11S |   | SOH-B-101-OW |   | SOH-1-TB |    |
|------------------------------|-------|-----------|---|------------|---|------------|---|--------------|---|----------|----|
|                              |       | 7/5/95    | Q | 7/5/95     | Q | 7/5/95     | Q | 7/5/95       | Q | 7/5/95   | Q  |
| Phenol                       | ug/L  | 10        | U | 10         | U | 10         | U | 10           | U | NA       | NA |
| Bis(2-chloroethyl)ether      | ug/L  | 10        | U | 10         | U | 10         | U | 10           | U | NA       | NA |
| 2-Chlorophenol               | ug/L  | 10        | U | 10         | U | 10         | U | 10           | U | NA       | NA |
| 1,3-Dichlorobenzene          | ug/L  | 10        | U | 10         | U | 10         | U | 10           | U | NA       | NA |
| 1,4-Dichlorobenzene          | ug/L  | 10        | U | 10         | U | 10         | U | 10           | U | NA       | NA |
| 1,2-Dichlorobenzene          | ug/L  | 10        | U | 10         | U | 10         | U | 10           | U | NA       | NA |
| 2-Methylphenol               | ug/L  | 10        | U | 10         | U | 10         | U | 10           | U | NA       | NA |
| 2,2-Oxybis (1-chloropropane) | ug/L  | 10        | U | 10         | U | 10         | U | 10           | U | NA       | NA |
| 4-Methylphenol               | ug/L  | 10        | U | 10         | U | 10         | U | 10           | U | NA       | NA |
| N-Nitrosodi-n-propylamine    | ug/L  | 10        | U | 10         | U | 10         | U | 10           | U | NA       | NA |
| Hexachloroethane             | ug/L  | 10        | U | 10         | U | 10         | U | 10           | U | NA       | NA |
| Nitrobenzene                 | ug/L  | 10        | U | 10         | U | 10         | U | 10           | U | NA       | NA |
| Isophorone                   | ug/L  | 10        | U | 10         | U | 10         | U | 10           | U | NA       | NA |
| 2-Nitrophenol                | ug/L  | 10        | U | 10         | U | 10         | U | 10           | U | NA       | NA |
| 2,4-Dimethylphenol           | ug/L  | 10        | U | 10         | U | 10         | U | 10           | U | NA       | NA |
| Bis(2-chloroethoxy)methane   | ug/L  | 10        | U | 10         | U | 10         | U | 10           | U | NA       | NA |
| 2,4-Dichlorophenol           | ug/L  | 10        | U | 10         | U | 10         | U | 10           | U | NA       | NA |
| 1,2,4-Trichlorobenzene       | ug/L  | 10        | U | 10         | U | 10         | U | 10           | U | NA       | NA |
| Naphthalene                  | ug/L  | 10        | U | 10         | U | 10         | U | 10           | U | NA       | NA |
| 4-Chloroaniline              | ug/L  | 10        | U | 10         | U | 10         | U | 10           | U | NA       | NA |
| Hexachlorobutadiene          | ug/L  | 10        | U | 10         | U | 10         | U | 10           | U | NA       | NA |
| 4-Chloro-3-methylphenol      | ug/L  | 10        | U | 10         | U | 10         | U | 10           | U | NA       | NA |
| 2-Methylnaphthalene          | ug/L  | 10        | U | 10         | U | 10         | U | 10           | U | NA       | NA |
| Hexachlorocyclopentadiene    | ug/L  | 10        | U | 10         | U | 10         | U | 10           | U | NA       | NA |
| 2,4,6-Trichlorophenol        | ug/L  | 10        | U | 10         | U | 10         | U | 10           | U | NA       | NA |
| 2,4,5-Trichlorophenol        | ug/L  | 25        | U | 25         | U | 25         | U | 25           | U | NA       | NA |
| 2-Chloronaphthalene          | ug/L  | 10        | U | 10         | U | 10         | U | 10           | U | NA       | NA |
| 2-Nitroaniline               | ug/L  | 25        | U | 25         | U | 25         | U | 25           | U | NA       | NA |
| Dimethyl phthalate           | ug/L  | 10        | U | 10         | U | 10         | U | 10           | U | NA       | NA |
| Acenaphthylene               | ug/L  | 10        | U | 10         | U | 10         | U | 10           | U | NA       | NA |
| 2,6-Dinitrotoluene           | ug/L  | 10        | U | 10         | U | 10         | U | 10           | U | NA       | NA |
| 3-Nitroaniline               | ug/L  | 25        | U | 25         | U | 25         | U | 25           | U | NA       | NA |
| Acenaphthene                 | ug/L  | 10        | U | 10         | U | 10         | U | 10           | U | NA       | NA |
| 2,4-Dinitrophenol            | ug/L  | 25        | U | 25         | U | 25         | U | 25           | U | NA       | NA |
| 4-Nitrophenol                | ug/L  | 25        | U | 25         | U | 25         | U | 25           | U | NA       | NA |
| Dibenzofuran                 | ug/L  | 10        | U | 10         | U | 10         | U | 10           | U | NA       | NA |
| 2,4-Dinitrotoluene           | ug/L  | 10        | U | 10         | U | 10         | U | 10           | U | NA       | NA |
| Diethyl phthalate            | ug/L  | 10        | U | 10         | U | 10         | U | 10           | U | NA       | NA |
| 4-Chlorophenyl phenyl ether  | ug/L  | 10        | U | 10         | U | 10         | U | 10           | U | NA       | NA |

Round 1 Groundwater Sample Test Results  
Semi-Volatile Organic Compounds

Remedial Investigation  
Stuart - Oliver - Holz  
Site No. 8-28-079  
Henrietta, New York

| Parameter                  | Units | SOH-OW-9S |   | SOH-OW-10S |   | SOH-OW-11S |   | SOH-B-101-OW |   | SOH-1-TB |    |
|----------------------------|-------|-----------|---|------------|---|------------|---|--------------|---|----------|----|
|                            |       | 7/5/95    | Q | 7/5/95     | Q | 7/5/95     | Q | 7/5/95       | Q | 7/5/95   | Q  |
| Fluorene                   | ug/L  | 10        | U | 10         | U | 10         | U | 10           | U | NA       | NA |
| 4-Nitroaniline             | ug/L  | 25        | U | 25         | U | 25         | U | 25           | U | NA       | NA |
| 4,6-Dinitro-2-methylphenol | ug/L  | 25        | U | 25         | U | 25         | U | 25           | U | NA       | NA |
| N-Nitrosodiphenylamine     | ug/L  | 10        | U | 10         | U | 10         | U | 10           | U | NA       | NA |
| 4-Bromophenyl phenyl ether | ug/L  | 10        | U | 10         | U | 10         | U | 10           | U | NA       | NA |
| Hexachlorobenzene          | ug/L  | 10        | U | 10         | U | 10         | U | 10           | U | NA       | NA |
| Pentachlorophenol          | ug/L  | 25        | U | 25         | U | 25         | U | 25           | U | NA       | NA |
| Phenanthrene               | ug/L  | 10        | U | 10         | U | 10         | U | 10           | U | NA       | NA |
| Anthracene                 | ug/L  | 10        | U | 10         | U | 10         | U | 10           | U | NA       | NA |
| Carbazole                  | ug/L  | 10        | U | 10         | U | 10         | U | 10           | U | NA       | NA |
| Di-n-butyl phthalate       | ug/L  | 2         | J | 10         | U | 10         | U | 10           | U | NA       | NA |
| Fluoranthene               | ug/L  | 10        | U | 10         | U | 10         | U | 10           | U | NA       | NA |
| Pyrene                     | ug/L  | 10        | U | 10         | U | 10         | U | 10           | U | NA       | NA |
| Butyl benzyl phthalate     | ug/L  | 10        | U | 10         | U | 10         | U | 10           | U | NA       | NA |
| 3,3'-Dichlorobenzidine     | ug/L  | 10        | U | 10         | U | 10         | U | 10           | U | NA       | NA |
| Benzol[a]anthracene        | ug/L  | 10        | U | 10         | U | 10         | U | 10           | U | NA       | NA |
| Chrysene                   | ug/L  | 10        | U | 10         | U | 10         | U | 10           | U | NA       | NA |
| Bis(2-ethylhexyl)phthalate | ug/L  | 3         | J | 2          | J | 10         | U | 10           | U | NA       | NA |
| Di-n-octyl phthalate       | ug/L  | 10        | U | 10         | U | 10         | U | 10           | U | NA       | NA |
| Benzol[b]fluoranthene      | ug/L  | 10        | U | 10         | U | 10         | U | 10           | U | NA       | NA |
| Benzol[k]fluoranthene      | ug/L  | 10        | U | 10         | U | 10         | U | 10           | U | NA       | NA |
| Benzol[a]pyrene            | ug/L  | 10        | U | 10         | U | 10         | U | 10           | U | NA       | NA |
| Indeno[1,2,3-cd]pyrene     | ug/L  | 10        | U | 10         | U | 10         | U | 10           | U | NA       | NA |
| Dibenzol[a,h]anthracene    | ug/L  | 10        | U | 10         | U | 10         | U | 10           | U | NA       | NA |
| Benzol[g,h,i]perylene      | ug/L  | 10        | U | 10         | U | 10         | U | 10           | U | NA       | NA |

Round 1 Groundwater Sample Test Results  
Semi-Volatile Organic Compounds

Remedial Investigation  
Stuart - Oliver - Holtz  
Site No. 8-28-079  
Henrietta, New York

| Parameter                     | Units | SOH-OW-2S<br>7/6/95 |   | SOH-OW-1S<br>7/6/95 |   | SOH-OW-5S<br>7/6/95 |   | SOH-1-DUP1<br>7/6/95 |   | SOH-2-TB<br>7/6/95 |    |
|-------------------------------|-------|---------------------|---|---------------------|---|---------------------|---|----------------------|---|--------------------|----|
|                               |       | Q                   |   | Q                   |   | Q                   |   | Q                    |   | Q                  |    |
| Phenol                        | ug/L  | 10                  | U | 10                  | U | 10                  | U | 10                   | U | NA                 | NA |
| Bis(2-chloroethyl)ether       | ug/L  | 10                  | U | 10                  | U | 10                  | U | 10                   | U | NA                 | NA |
| 2-Chlorophenol                | ug/L  | 10                  | U | 10                  | U | 10                  | U | 10                   | U | NA                 | NA |
| 1,3-Dichlorobenzene           | ug/L  | 10                  | U | 10                  | U | 10                  | U | 10                   | U | NA                 | NA |
| 1,4-Dichlorobenzene           | ug/L  | 10                  | U | 10                  | U | 10                  | U | 10                   | U | NA                 | NA |
| 1,2-Dichlorobenzene           | ug/L  | 10                  | U | 10                  | U | 10                  | U | 10                   | U | NA                 | NA |
| 2-Methylphenol                | ug/L  | 10                  | U | 10                  | U | 10                  | U | 10                   | U | NA                 | NA |
| 2,2'-Oxybis (1-chloropropane) | ug/L  | 10                  | U | 10                  | U | 10                  | U | 10                   | U | NA                 | NA |
| 4-Methylphenol                | ug/L  | 10                  | U | 10                  | U | 10                  | U | 10                   | U | NA                 | NA |
| N-Nitrosodi-n-propylamine     | ug/L  | 10                  | U | 10                  | U | 10                  | U | 10                   | U | NA                 | NA |
| Hexachloroethane              | ug/L  | 10                  | U | 10                  | U | 10                  | U | 10                   | U | NA                 | NA |
| Nitrobenzene                  | ug/L  | 10                  | U | 10                  | U | 10                  | U | 10                   | U | NA                 | NA |
| Isophorone                    | ug/L  | 10                  | U | 10                  | U | 10                  | U | 10                   | U | NA                 | NA |
| 2-Nitrophenol                 | ug/L  | 10                  | U | 10                  | U | 10                  | U | 10                   | U | NA                 | NA |
| 2,4-Dimethylphenol            | ug/L  | 10                  | U | 10                  | U | 10                  | U | 10                   | U | NA                 | NA |
| Bis(2-chloroethoxy)methane    | ug/L  | 10                  | U | 10                  | U | 10                  | U | 10                   | U | NA                 | NA |
| 2,4-Dichlorophenol            | ug/L  | 10                  | U | 10                  | U | 10                  | U | 10                   | U | NA                 | NA |
| 1,2,4-Trichlorobenzene        | ug/L  | 10                  | U | 10                  | U | 10                  | U | 10                   | U | NA                 | NA |
| Naphthalene                   | ug/L  | 10                  | U | 10                  | U | 10                  | U | 10                   | U | NA                 | NA |
| 4-Chloroaniline               | ug/L  | 10                  | U | 10                  | U | 10                  | U | 10                   | U | NA                 | NA |
| Hexachlorobutadiene           | ug/L  | 10                  | U | 10                  | U | 10                  | U | 10                   | U | NA                 | NA |
| 4-Chloro-3-methylphenol       | ug/L  | 10                  | U | 10                  | U | 10                  | U | 10                   | U | NA                 | NA |
| 2-Methylnaphthalene           | ug/L  | 10                  | U | 10                  | U | 10                  | U | 10                   | U | NA                 | NA |
| Hexachlorocyclopentadiene     | ug/L  | 10                  | U | 10                  | U | 10                  | U | 10                   | U | NA                 | NA |
| 2,4,6-Trichlorophenol         | ug/L  | 10                  | U | 10                  | U | 10                  | U | 10                   | U | NA                 | NA |
| 2,4,5-Trichlorophenol         | ug/L  | 25                  | U | 25                  | U | 25                  | U | 25                   | U | NA                 | NA |
| 2-Chloronaphthalene           | ug/L  | 10                  | U | 10                  | U | 10                  | U | 10                   | U | NA                 | NA |
| 2-Nitroaniline                | ug/L  | 25                  | U | 25                  | U | 25                  | U | 25                   | U | NA                 | NA |
| Dimethyl phthalate            | ug/L  | 10                  | U | 10                  | U | 10                  | U | 10                   | U | NA                 | NA |
| Acenaphthylene                | ug/L  | 10                  | U | 10                  | U | 10                  | U | 10                   | U | NA                 | NA |
| 2,6-Dinitrotoluene            | ug/L  | 10                  | U | 10                  | U | 10                  | U | 10                   | U | NA                 | NA |
| 3-Nitroaniline                | ug/L  | 25                  | U | 25                  | U | 25                  | U | 25                   | U | NA                 | NA |
| Acenaphthene                  | ug/L  | 10                  | U | 10                  | U | 10                  | U | 10                   | U | NA                 | NA |
| 2,4-Dinitrophenol             | ug/L  | 25                  | U | 25                  | U | 25                  | U | 25                   | U | NA                 | NA |
| 4-Nitrophenol                 | ug/L  | 25                  | U | 25                  | U | 25                  | U | 25                   | U | NA                 | NA |
| Dibenzofuran                  | ug/L  | 10                  | U | 10                  | U | 10                  | U | 10                   | U | NA                 | NA |
| 2,4-Dinitrotoluene            | ug/L  | 10                  | U | 10                  | U | 10                  | U | 10                   | U | NA                 | NA |
| Diethyl phthalate             | ug/L  | 10                  | U | 10                  | U | 10                  | U | 10                   | U | NA                 | NA |
| 4-Chlorophenyl phenyl ether   | ug/L  | 10                  | U | 10                  | U | 10                  | U | 10                   | U | NA                 | NA |

Round 1 Groundwater Sample Test Results  
Semi-Volatile Organic Compounds

Remedial Investigation  
Stuart - Oliver - Holtz  
Site No. 8-28-079  
Henrietta, New York

| Parameter                  | Units | SOH-OW-2S |    | SOH-OW-1S |    | SOH-OW-5S |    | SOH-1-DUP1 |   | SOH-2-TB |    |
|----------------------------|-------|-----------|----|-----------|----|-----------|----|------------|---|----------|----|
|                            |       | 7/6/95    | Q  | 7/6/95    | Q  | 7/6/95    | Q  | 7/6/95     | Q | 7/6/95   | Q  |
| Fluorene                   | ug/L  | 10        | U  | 10        | U  | 10        | U  | 10         | U | NA       | NA |
| 4-Nitroaniline             | ug/L  | 25        | U  | 25        | U  | 25        | U  | 25         | U | NA       | NA |
| 4,6-Dinitro-2-methylphenol | ug/L  | 25        | U  | 25        | U  | 25        | U  | 25         | U | NA       | NA |
| N-Nitrosodiphenylamine     | ug/L  | 10        | U  | 10        | U  | 10        | U  | 10         | U | NA       | NA |
| 4-Bromophenyl phenyl ether | ug/L  | 10        | U  | 10        | U  | 10        | U  | 10         | U | NA       | NA |
| Hexachlorobenzene          | ug/L  | 10        | U  | 10        | U  | 10        | U  | 10         | U | NA       | NA |
| Pentachlorophenol          | ug/L  | 25        | UJ | 25        | UJ | 25        | UJ | 25         | U | NA       | NA |
| Phenanthrene               | ug/L  | 10        | U  | 10        | U  | 10        | U  | 10         | U | NA       | NA |
| Anthracene                 | ug/L  | 10        | U  | 10        | U  | 10        | U  | 10         | U | NA       | NA |
| Carbazole                  | ug/L  | 10        | U  | 10        | U  | 10        | U  | 10         | U | NA       | NA |
| Di-n-butyl phthalate       | ug/L  | 10        | U  | 10        | U  | 10        | U  | 10         | U | NA       | NA |
| Fluoranthene               | ug/L  | 10        | U  | 10        | U  | 10        | U  | 10         | U | NA       | NA |
| Pyrene                     | ug/L  | 10        | U  | 10        | U  | 10        | U  | 10         | U | NA       | NA |
| Butyl benzyl phthalate     | ug/L  | 10        | U  | 10        | U  | 10        | U  | 10         | U | NA       | NA |
| 3,3'-Dichlorobenzidine     | ug/L  | 10        | U  | 10        | U  | 10        | U  | 10         | U | NA       | NA |
| Benzol[a]anthracene        | ug/L  | 10        | U  | 10        | U  | 10        | U  | 10         | U | NA       | NA |
| Chrysene                   | ug/L  | 10        | U  | 10        | U  | 10        | U  | 10         | U | NA       | NA |
| Bis(2-ethylhexyl)phthalate | ug/L  | 1         | J  | 1         | J  | 2         | J  | 2          | J | NA       | NA |
| Di-n-octyl phthalate       | ug/L  | 10        | U  | 10        | U  | 10        | U  | 10         | U | NA       | NA |
| Benzob[bi]fluoranthene     | ug/L  | 10        | U  | 10        | U  | 10        | U  | 10         | U | NA       | NA |
| Benzok[ki]fluoranthene     | ug/L  | 10        | U  | 10        | U  | 10        | U  | 10         | U | NA       | NA |
| Benzol[a]pyrene            | ug/L  | 10        | U  | 10        | U  | 10        | U  | 10         | U | NA       | NA |
| Indeno[1,2,3-cd]pyrene     | ug/L  | 10        | U  | 10        | U  | 10        | U  | 10         | U | NA       | NA |
| Dibenzol[a,h]anthracene    | ug/L  | 10        | U  | 10        | U  | 10        | U  | 10         | U | NA       | NA |
| Benzol[g,h,i]perylene      | ug/L  | 10        | U  | 10        | U  | 10        | U  | 10         | U | NA       | NA |



Round 1 Groundwater Sample Test Results  
Semi-Volatile Organic Compounds

Remedial Investigation  
Stuart - Oliver - Holz  
Site No. 8-28-079  
Henrietta, New York

| Parameter                     | Units | SOH-OW-6S<br>7/7/95 |    | SOH-OW-3S<br>7/7/95 |    | SOH-OW-4S<br>7/7/95 |    | SOH-1-MS<br>7/7/95 |   | SOH-1-MS(D)<br>7/7/95 |   |
|-------------------------------|-------|---------------------|----|---------------------|----|---------------------|----|--------------------|---|-----------------------|---|
|                               |       | Q                   |    | Q                   |    | Q                   |    | Q                  |   | Q                     |   |
| Phenol                        | ug/L  | 10                  | U  | 10                  | U  | 10                  | U  | 48                 | U | 46                    | U |
| Bis(2-chloroethyl) ether      | ug/L  | 10                  | U  | 10                  | U  | 10                  | U  | 10                 | U | 10                    | U |
| 2-Chlorophenol                | ug/L  | 10                  | U  | 10                  | U  | 10                  | U  | 43                 | U | 45                    | U |
| 1,3-Dichlorobenzene           | ug/L  | 10                  | U  | 10                  | U  | 10                  | U  | 10                 | U | 10                    | U |
| 1,4-Dichlorobenzene           | ug/L  | 10                  | U  | 10                  | U  | 10                  | U  | 27                 | U | 32                    | U |
| 1,2-Dichlorobenzene           | ug/L  | 10                  | U  | 10                  | U  | 10                  | U  | 10                 | U | 10                    | U |
| 2-Methylphenol                | ug/L  | 10                  | U  | 10                  | U  | 10                  | U  | 10                 | U | 10                    | U |
| 2,2'-Oxybis (1-chloropropane) | ug/L  | 10                  | UJ | 10                  | UJ | 10                  | UJ | 10                 | U | 10                    | U |
| 4-Methylphenol                | ug/L  | 10                  | U  | 10                  | U  | 10                  | U  | 10                 | U | 10                    | U |
| N-Nitrosodi-n-propylamine     | ug/L  | 10                  | U  | 10                  | UJ | 10                  | U  | 34                 | U | 35                    | U |
| Hexachloroethane              | ug/L  | 10                  | U  | 10                  | U  | 10                  | U  | 10                 | U | 10                    | U |
| Nitrobenzene                  | ug/L  | 10                  | U  | 10                  | U  | 10                  | U  | 10                 | U | 10                    | U |
| Isophorone                    | ug/L  | 10                  | U  | 10                  | U  | 10                  | U  | 10                 | U | 10                    | U |
| 2-Nitrophenol                 | ug/L  | 10                  | U  | 10                  | U  | 10                  | U  | 10                 | U | 10                    | U |
| 2,4-Dimethylphenol            | ug/L  | 10                  | UJ | 10                  | U  | 10                  | UJ | 10                 | U | 10                    | U |
| Bis(2-chloroethoxy)methane    | ug/L  | 10                  | U  | 10                  | U  | 10                  | U  | 10                 | U | 10                    | U |
| 2,4-Dichlorophenol            | ug/L  | 10                  | U  | 10                  | U  | 10                  | U  | 10                 | U | 10                    | U |
| 1,2,4-Trichlorobenzene        | ug/L  | 10                  | U  | 10                  | U  | 10                  | U  | 36                 | U | 37                    | U |
| Naphthalene                   | ug/L  | 10                  | U  | 10                  | U  | 10                  | U  | 10                 | U | 10                    | U |
| 4-Chloroaniline               | ug/L  | 10                  | U  | 10                  | U  | 10                  | U  | 10                 | U | 10                    | U |
| Hexachlorobutadiene           | ug/L  | 10                  | U  | 10                  | U  | 10                  | U  | 10                 | U | 10                    | U |
| 4-Chloro-3-methylphenol       | ug/L  | 10                  | U  | 10                  | U  | 10                  | U  | 60                 | U | 62                    | U |
| 2-Methylnaphthalene           | ug/L  | 10                  | U  | 10                  | U  | 10                  | U  | 10                 | U | 10                    | U |
| Hexachlorocyclopentadiene     | ug/L  | 10                  | UJ | 10                  | UJ | 10                  | UJ | 10                 | U | 10                    | U |
| 2,4,6-Trichlorophenol         | ug/L  | 10                  | UJ | 10                  | UJ | 10                  | UJ | 10                 | U | 10                    | U |
| 2,4,5-Trichlorophenol         | ug/L  | 25                  | U  | 25                  | U  | 25                  | U  | 25                 | U | 25                    | U |
| 2-Chloronaphthalene           | ug/L  | 10                  | U  | 10                  | U  | 10                  | U  | 10                 | U | 10                    | U |
| 2-Nitroaniline                | ug/L  | 25                  | UJ | 25                  | UJ | 25                  | UJ | 25                 | U | 25                    | U |
| Dimethyl phthalate            | ug/L  | 10                  | U  | 10                  | U  | 10                  | U  | 10                 | U | 10                    | U |
| Acenaphthylene                | ug/L  | 10                  | U  | 10                  | U  | 10                  | U  | 10                 | U | 10                    | U |
| 2,6-Dinitrotoluene            | ug/L  | 10                  | UJ | 10                  | U  | 10                  | UJ | 10                 | U | 10                    | U |
| 3-Nitroaniline                | ug/L  | 25                  | U  | 25                  | U  | 25                  | U  | 25                 | U | 25                    | U |
| Acenaphthene                  | ug/L  | 10                  | U  | 10                  | U  | 10                  | U  | 37                 | U | 40                    | U |
| 2,4-Dinitrophenol             | ug/L  | 25                  | UJ | 25                  | UJ | 25                  | UJ | 25                 | U | 25                    | U |
| 4-Nitrophenol                 | ug/L  | 25                  | UJ | 25                  | UJ | 25                  | UJ | 65                 | U | 68                    | U |
| Dibenzofuran                  | ug/L  | 10                  | U  | 10                  | U  | 10                  | U  | 10                 | U | 10                    | U |
| 2,4-Dinitrotoluene            | ug/L  | 10                  | UJ | 10                  | U  | 10                  | UJ | 39                 | U | 41                    | U |
| Diethyl phthalate             | ug/L  | 10                  | U  | 10                  | U  | 10                  | U  | 10                 | U | 10                    | U |
| 4-Chlorophenyl phenyl ether   | ug/L  | 10                  | U  | 10                  | U  | 10                  | U  | 10                 | U | 10                    | U |

Round 1 Groundwater Sample Test Results  
Semi-Volatile Organic Compounds

Remedial Investigation  
Stuart - Olver - Holtz  
Site No. 8-28-079  
Henrietta, New York

| Parameter                  | Units | SOH-OW-6S<br>7/7/95 |    | SOH-OW-3S<br>7/7/95 |    | SOH-OW-4S<br>7/7/95 |    | SOH-1-MS<br>7/7/95 |   | SOH-1-MS(D)<br>7/7/95 |   |
|----------------------------|-------|---------------------|----|---------------------|----|---------------------|----|--------------------|---|-----------------------|---|
|                            |       | Q                   |    | Q                   |    | Q                   |    | Q                  |   | Q                     |   |
| Fluorene                   | ug/L  | 10                  | U  | 10                  | U  | 10                  | U  | 10                 | U | 10                    | U |
| 4-Nitroaniline             | ug/L  | 25                  | U  | 25                  | U  | 25                  | U  | 25                 | U | 25                    | U |
| 4,6-Dinitro-2-methylphenol | ug/L  | 25                  | UJ | 25                  | U  | 25                  | UJ | 25                 | U | 25                    | U |
| N-Nitrosodiphenylamine     | ug/L  | 10                  | U  | 10                  | U  | 10                  | U  | 10                 | U | 10                    | U |
| 4-Bromophenyl phenyl ether | ug/L  | 10                  | U  | 10                  | U  | 10                  | U  | 10                 | U | 10                    | U |
| Hexachlorobenzene          | ug/L  | 10                  | U  | 10                  | U  | 10                  | U  | 10                 | U | 10                    | U |
| Pentachlorophenol          | ug/L  | 25                  | U  | 25                  | UJ | 25                  | U  | 67                 | U | 66                    | U |
| Phenanthrene               | ug/L  | 10                  | U  | 10                  | U  | 10                  | U  | 10                 | U | 10                    | U |
| Anthracene                 | ug/L  | 10                  | U  | 10                  | U  | 10                  | U  | 10                 | U | 10                    | U |
| Carbazole                  | ug/L  | 10                  | U  | 10                  | U  | 10                  | U  | 10                 | U | 10                    | U |
| Di-n-butyl phthalate       | ug/L  | 10                  | U  | 10                  | U  | 10                  | U  | 10                 | U | 10                    | U |
| Fluoranthene               | ug/L  | 10                  | U  | 10                  | U  | 10                  | U  | 10                 | U | 10                    | U |
| Pyrene                     | ug/L  | 10                  | U  | 10                  | U  | 10                  | U  | 34                 | U | 31                    | U |
| Butyl benzyl phthalate     | ug/L  | 10                  | U  | 10                  | U  | 10                  | U  | 10                 | U | 10                    | U |
| 3,3'-Dichlorobenzidine     | ug/L  | 10                  | U  | 10                  | U  | 10                  | U  | 10                 | U | 10                    | U |
| Benzofluoranthene          | ug/L  | 10                  | U  | 10                  | U  | 10                  | U  | 10                 | U | 10                    | U |
| Chrysene                   | ug/L  | 10                  | U  | 10                  | U  | 10                  | U  | 10                 | U | 10                    | U |
| Bis(2-ethylhexyl)phthalate | ug/L  | 2                   | J  | 2                   | J  | 1                   | J  | 1                  | J | 2                     | J |
| Di-n-octyl phthalate       | ug/L  | 10                  | U  | 10                  | U  | 10                  | U  | 10                 | U | 10                    | U |
| Benzofluoranthene          | ug/L  | 10                  | U  | 10                  | U  | 10                  | U  | 10                 | U | 10                    | U |
| Benzofluoranthene          | ug/L  | 10                  | U  | 10                  | U  | 10                  | U  | 10                 | U | 10                    | U |
| Benzofluoranthene          | ug/L  | 10                  | U  | 10                  | U  | 10                  | U  | 10                 | U | 10                    | U |
| Indeno[1,2,3-cd]pyrene     | ug/L  | 10                  | U  | 10                  | U  | 10                  | U  | 10                 | U | 10                    | U |
| Dibenzofluoranthene        | ug/L  | 10                  | U  | 10                  | U  | 10                  | U  | 10                 | U | 10                    | U |
| Benzofluoranthene          | ug/L  | 10                  | U  | 10                  | U  | 10                  | U  | 10                 | U | 10                    | U |

Round 1 Groundwater Sample Test Results  
Semi-Volatile Organic Compounds

Remedial Investigation  
Stuart - Olver - Holtz  
Site No. 8-28-079  
Henrietta, New York

| Parameter                     | Units | SOH-MW-5<br>7/10/95 |    | SOH-MW-2<br>7/10/95 |    | SOH-MW-3<br>7/10/95 |    | SOH-OW-7S<br>7/10/95 |    | SOH-EB-WATER<br>7/10/95 |    | SOH-4-TB<br>7/10/95 |    |
|-------------------------------|-------|---------------------|----|---------------------|----|---------------------|----|----------------------|----|-------------------------|----|---------------------|----|
|                               |       | Q                   | Q  | Q                   | Q  | Q                   | Q  | Q                    | Q  | Q                       | Q  | Q                   | Q  |
| Phenol                        | ug/L  | 8                   | U  | 10                  | UJ | 10                  | U  | 9                    | J  | 10                      | UJ | NA                  | NA |
| Bis(2-chloroethyl)ether       | ug/L  | 10                  | U  | 10                  | UJ | 10                  | U  | 10                   | U  | 10                      | U  | NA                  | NA |
| 2-Chlorophenol                | ug/L  | 10                  | U  | 10                  | UJ | 10                  | U  | 10                   | U  | 10                      | U  | NA                  | NA |
| 1,3-Dichlorobenzene           | ug/L  | 10                  | U  | 10                  | UJ | 10                  | U  | 10                   | U  | 10                      | U  | NA                  | NA |
| 1,4-Dichlorobenzene           | ug/L  | 10                  | U  | 10                  | UJ | 10                  | U  | 10                   | U  | 10                      | U  | NA                  | NA |
| 1,2-Dichlorobenzene           | ug/L  | 10                  | U  | 10                  | UJ | 10                  | U  | 10                   | U  | 10                      | U  | NA                  | NA |
| 2-Methylphenol                | ug/L  | 10                  | U  | 10                  | UJ | 10                  | U  | 9                    | J  | 10                      | U  | NA                  | NA |
| 2,2'-Oxybis (1-chloropropane) | ug/L  | 10                  | UJ | 10                  | UJ | 10                  | UJ | 10                   | UJ | 10                      | U  | NA                  | NA |
| 4-Methylphenol                | ug/L  | 10                  | U  | 10                  | UJ | 10                  | U  | 10                   | U  | 10                      | U  | NA                  | NA |
| N-Nitrosodi-n-propylamine     | ug/L  | 10                  | UJ | 10                  | UJ | 10                  | UJ | 10                   | UJ | 10                      | U  | NA                  | NA |
| Hexachloroethane              | ug/L  | 10                  | U  | 10                  | UJ | 10                  | U  | 10                   | U  | 10                      | U  | NA                  | NA |
| Nitrobenzene                  | ug/L  | 10                  | U  | 10                  | UJ | 10                  | U  | 10                   | U  | 10                      | U  | NA                  | NA |
| Isophorone                    | ug/L  | 10                  | U  | 10                  | UJ | 10                  | U  | 23                   | U  | 10                      | U  | NA                  | NA |
| 2-Nitrophenol                 | ug/L  | 10                  | U  | 10                  | UJ | 10                  | U  | 10                   | U  | 10                      | U  | NA                  | NA |
| 2,4-Dimethylphenol            | ug/L  | 10                  | U  | 10                  | UJ | 10                  | U  | 10                   | U  | 10                      | U  | NA                  | NA |
| Bis(2-chloroethoxy)methane    | ug/L  | 10                  | U  | 10                  | UJ | 10                  | U  | 10                   | U  | 10                      | U  | NA                  | NA |
| 2,4-Dichlorophenol            | ug/L  | 10                  | U  | 10                  | UJ | 10                  | U  | 10                   | U  | 10                      | U  | NA                  | NA |
| 1,2,4-Trichlorobenzene        | ug/L  | 10                  | U  | 10                  | UJ | 10                  | U  | 10                   | U  | 10                      | U  | NA                  | NA |
| Naphthalene                   | ug/L  | 10                  | U  | 10                  | UJ | 10                  | U  | 10                   | U  | 10                      | U  | NA                  | NA |
| 4-Chloroaniline               | ug/L  | 10                  | U  | 10                  | UJ | 10                  | U  | 10                   | U  | 10                      | U  | NA                  | NA |
| Hexachlorobutadiene           | ug/L  | 10                  | U  | 10                  | UJ | 10                  | U  | 10                   | U  | 10                      | U  | NA                  | NA |
| 4-Chloro-3-methylphenol       | ug/L  | 10                  | U  | 10                  | UJ | 10                  | U  | 10                   | U  | 10                      | U  | NA                  | NA |
| 2-Methylnaphthalene           | ug/L  | 10                  | U  | 10                  | UJ | 10                  | U  | 10                   | U  | 10                      | U  | NA                  | NA |
| Hexachlorocyclopentadiene     | ug/L  | 10                  | UJ | 10                  | UJ | 10                  | UJ | 10                   | UJ | 10                      | U  | NA                  | NA |
| 2,4,6-Trichlorophenol         | ug/L  | 10                  | UJ | 10                  | UJ | 10                  | UJ | 10                   | UJ | 10                      | UJ | NA                  | NA |
| 2,4,5-Trichlorophenol         | ug/L  | 25                  | U  | 25                  | UJ | 25                  | U  | 25                   | U  | 25                      | U  | NA                  | NA |
| 2-Chloronaphthalene           | ug/L  | 10                  | U  | 10                  | UJ | 10                  | U  | 10                   | U  | 10                      | U  | NA                  | NA |
| 2-Nitroaniline                | ug/L  | 25                  | UJ | 25                  | UJ | 25                  | UJ | 25                   | UJ | 25                      | U  | NA                  | NA |
| Dimethyl phthalate            | ug/L  | 10                  | U  | 10                  | UJ | 10                  | U  | 10                   | U  | 10                      | U  | NA                  | NA |
| Acenaphthylene                | ug/L  | 10                  | U  | 10                  | UJ | 10                  | U  | 10                   | U  | 10                      | U  | NA                  | NA |
| 2,6-Dinitrotoluene            | ug/L  | 10                  | U  | 10                  | UJ | 10                  | U  | 10                   | U  | 10                      | U  | NA                  | NA |
| 3-Nitroaniline                | ug/L  | 25                  | U  | 25                  | UJ | 25                  | U  | 25                   | U  | 25                      | U  | NA                  | NA |
| Acenaphthene                  | ug/L  | 10                  | U  | 10                  | UJ | 10                  | U  | 10                   | U  | 10                      | U  | NA                  | NA |
| 2,4-Dinitrophenol             | ug/L  | 25                  | UJ | 25                  | UJ | 25                  | UJ | 25                   | UJ | 25                      | UJ | NA                  | NA |
| 4-Nitrophenol                 | ug/L  | 25                  | UJ | 25                  | UJ | 25                  | UJ | 25                   | UJ | 25                      | U  | NA                  | NA |
| Dibenzofuran                  | ug/L  | 10                  | U  | 10                  | UJ | 10                  | U  | 10                   | U  | 10                      | U  | NA                  | NA |
| 2,4-Dinitrotoluene            | ug/L  | 10                  | U  | 10                  | UJ | 10                  | U  | 10                   | U  | 10                      | U  | NA                  | NA |
| Diethyl phthalate             | ug/L  | 10                  | U  | 10                  | UJ | 10                  | U  | 10                   | U  | 10                      | U  | NA                  | NA |
| 4-Chlorophenyl phenyl ether   | ug/L  | 10                  | U  | 10                  | UJ | 10                  | U  | 10                   | U  | 10                      | U  | NA                  | NA |

Round 1 Groundwater Sample Test Results  
Semi-Volatile Organic Compounds

Remedial Investigation  
Stuart - Oliver - Holtz  
Site No. 8-28-079  
Henrietta, New York

| Parameter                  | Units | SOH-MW-5<br>7/10/95 |    | SOH-MW-2<br>7/10/95 |    | SOH-MW-3<br>7/10/95 |    | SOH-OW-7S<br>7/10/95 |    | SOH-EB-WATER<br>7/10/95 |    | SOH-4-TB<br>7/10/95 |    |
|----------------------------|-------|---------------------|----|---------------------|----|---------------------|----|----------------------|----|-------------------------|----|---------------------|----|
|                            |       | Q                   |    | Q                   |    | Q                   |    | Q                    |    | Q                       |    | Q                   |    |
| Fluorene                   | ug/L  | 10                  | U  | 10                  | UJ | 10                  | U  | 10                   | U  | 10                      | U  | NA                  | NA |
| 4-Nitroaniline             | ug/L  | 25                  | U  | 25                  | UJ | 25                  | U  | 25                   | U  | 25                      | UJ | NA                  | NA |
| 4,6-Dinitro-2-methylphenol | ug/L  | 25                  | U  | 25                  | UJ | 25                  | U  | 25                   | U  | 25                      | UJ | NA                  | NA |
| N-Nitrosodiphenylamine     | ug/L  | 10                  | U  | 10                  | UJ | 10                  | U  | 10                   | U  | 10                      | U  | NA                  | NA |
| 4-Bromophenyl phenyl ether | ug/L  | 10                  | U  | 10                  | UJ | 10                  | U  | 10                   | U  | 10                      | U  | NA                  | NA |
| Hexachlorobenzene          | ug/L  | 10                  | UJ | 10                  | UJ | 10                  | U  | 10                   | U  | 10                      | U  | NA                  | NA |
| Pentachlorophenol          | ug/L  | 25                  | U  | 25                  | UJ | 25                  | UJ | 25                   | UJ | 25                      | U  | NA                  | NA |
| Phenanthrene               | ug/L  | 10                  | U  | 10                  | UJ | 10                  | U  | 10                   | U  | 10                      | U  | NA                  | NA |
| Anthracene                 | ug/L  | 10                  | U  | 10                  | UJ | 10                  | U  | 10                   | U  | 10                      | U  | NA                  | NA |
| Carbazole                  | ug/L  | 10                  | U  | 10                  | UJ | 10                  | U  | 10                   | U  | 10                      | U  | NA                  | NA |
| Di-n-butyl phthalate       | ug/L  | 10                  | U  | 10                  | UJ | 10                  | U  | 10                   | U  | 10                      | U  | NA                  | NA |
| Fluoranthene               | ug/L  | 10                  | U  | 10                  | UJ | 10                  | U  | 10                   | U  | 10                      | U  | NA                  | NA |
| Pyrene                     | ug/L  | 10                  | U  | 10                  | UJ | 10                  | U  | 10                   | U  | 10                      | U  | NA                  | NA |
| Butyl benzyl phthalate     | ug/L  | 10                  | U  | 10                  | UJ | 10                  | U  | 10                   | U  | 10                      | U  | NA                  | NA |
| 3,3'-Dichlorobenzidine     | ug/L  | 10                  | U  | 10                  | UJ | 10                  | U  | 10                   | U  | 10                      | U  | NA                  | NA |
| Benzofluoranthene          | ug/L  | 10                  | U  | 10                  | UJ | 10                  | U  | 10                   | U  | 10                      | U  | NA                  | NA |
| Chrysene                   | ug/L  | 10                  | U  | 10                  | UJ | 10                  | U  | 10                   | U  | 10                      | U  | NA                  | NA |
| Bis(2-ethylhexyl)phthalate | ug/L  | 10                  | U  | 10                  | UJ | 10                  | U  | 10                   | U  | 3                       | JB | NA                  | NA |
| Di-n-octyl phthalate       | ug/L  | 10                  | U  | 10                  | UJ | 10                  | U  | 10                   | U  | 10                      | U  | NA                  | NA |
| Benzo[b]fluoranthene       | ug/L  | 10                  | U  | 10                  | UJ | 10                  | U  | 10                   | U  | 10                      | U  | NA                  | NA |
| Benzo[k]fluoranthene       | ug/L  | 10                  | U  | 10                  | UJ | 10                  | U  | 10                   | U  | 10                      | U  | NA                  | NA |
| Benzo[a]pyrene             | ug/L  | 10                  | U  | 10                  | UJ | 10                  | U  | 10                   | U  | 10                      | U  | NA                  | NA |
| Indeno[1,2,3-cd]pyrene     | ug/L  | 10                  | U  | 10                  | UJ | 10                  | U  | 10                   | U  | 10                      | U  | NA                  | NA |
| Dibenzo[a,h]anthracene     | ug/L  | 10                  | U  | 10                  | UJ | 10                  | U  | 10                   | U  | 10                      | U  | NA                  | NA |
| Benzo[g,h,i]perylene       | ug/L  | 10                  | U  | 10                  | UJ | 10                  | U  | 10                   | U  | 10                      | U  | NA                  | NA |

Round 1 Groundwater Sample Test Results  
Semi-Volatile Organic Compounds

Remedial Investigation  
Stuart - Oliver - Holtz  
Site No. 8-28-079  
Henrietta, New York

| Parameter                     | Units | SOH-OW-1R<br>7/11/95 |   | SOH-OW-2R<br>7/11/95 |   | SOH-OW-2-MS<br>7/11/95 |   | SOH-2-MS(D)<br>7/11/95 |   | SOH-OW-3R<br>7/11/95 |   | SOH-5-TB<br>7/11/95 |    |
|-------------------------------|-------|----------------------|---|----------------------|---|------------------------|---|------------------------|---|----------------------|---|---------------------|----|
|                               |       | Q                    | U | Q                    | U | Q                      | U | Q                      | U | Q                    | U | Q                   | U  |
| Phenol                        | ug/L  | 10                   | U | 10                   | U | 43                     | U | 39                     | U | 10                   | U | NA                  | NA |
| Bis(2-chloroethyl)ether       | ug/L  | 10                   | U | 10                   | U | 10                     | U | 10                     | U | 10                   | U | NA                  | NA |
| 2-Chlorophenol                | ug/L  | 10                   | U | 10                   | U | 39                     | U | 40                     | U | 10                   | U | NA                  | NA |
| 1,3-Dichlorobenzene           | ug/L  | 10                   | U | 10                   | U | 10                     | U | 10                     | U | 10                   | U | NA                  | NA |
| 1,4-Dichlorobenzene           | ug/L  | 10                   | U | 10                   | U | 30                     | U | 31                     | U | 10                   | U | NA                  | NA |
| 1,2-Dichlorobenzene           | ug/L  | 10                   | U | 10                   | U | 10                     | U | 10                     | U | 10                   | U | NA                  | NA |
| 2-Methylphenol                | ug/L  | 10                   | U | 10                   | U | 10                     | U | 10                     | U | 10                   | U | NA                  | NA |
| 2,2'-Oxybis (1-chloropropane) | ug/L  | 10                   | U | 10                   | U | 10                     | U | 10                     | U | 10                   | U | NA                  | NA |
| 4-Methylphenol                | ug/L  | 10                   | U | 10                   | U | 10                     | U | 10                     | U | 10                   | U | NA                  | NA |
| N-Nitrosodi-n-propylamine     | ug/L  | 10                   | U | 10                   | U | 37                     | U | 38                     | U | 10                   | U | NA                  | NA |
| Hexachloroethane              | ug/L  | 10                   | U | 10                   | U | 10                     | U | 10                     | U | 10                   | U | NA                  | NA |
| Nitrobenzene                  | ug/L  | 10                   | U | 10                   | U | 10                     | U | 10                     | U | 10                   | U | NA                  | NA |
| Isophorone                    | ug/L  | 10                   | U | 10                   | U | 10                     | U | 10                     | U | 10                   | U | NA                  | NA |
| 2-Nitrophenol                 | ug/L  | 10                   | U | 10                   | U | 10                     | U | 10                     | U | 10                   | U | NA                  | NA |
| 2,4-Dimethylphenol            | ug/L  | 10                   | U | 10                   | U | 10                     | U | 10                     | U | 10                   | U | NA                  | NA |
| Bis(2-chloroethoxy)methane    | ug/L  | 10                   | U | 10                   | U | 10                     | U | 10                     | U | 10                   | U | NA                  | NA |
| 2,4-Dichlorophenol            | ug/L  | 10                   | U | 10                   | U | 10                     | U | 10                     | U | 10                   | U | NA                  | NA |
| 1,2,4-Trichlorobenzene        | ug/L  | 10                   | U | 10                   | U | 31                     | U | 32                     | U | 10                   | U | NA                  | NA |
| Naphthalene                   | ug/L  | 10                   | U | 10                   | U | 10                     | U | 10                     | U | 10                   | U | NA                  | NA |
| 4-Chloroaniline               | ug/L  | 10                   | U | 10                   | U | 10                     | U | 10                     | U | 10                   | U | NA                  | NA |
| Hexachlorobutadiene           | ug/L  | 10                   | U | 10                   | U | 10                     | U | 10                     | U | 10                   | U | NA                  | NA |
| 4-Chloro-3-methylphenol       | ug/L  | 10                   | U | 10                   | U | 49                     | U | 49                     | U | 10                   | U | NA                  | NA |
| 2-Methylnaphthalene           | ug/L  | 10                   | U | 10                   | U | 10                     | U | 10                     | U | 10                   | U | NA                  | NA |
| Hexachlorocyclopentadiene     | ug/L  | 10                   | U | 10                   | U | 10                     | U | 10                     | U | 10                   | U | NA                  | NA |
| 2,4,6-Trichlorophenol         | ug/L  | 10                   | U | 10                   | U | 10                     | U | 10                     | U | 10                   | U | NA                  | NA |
| 2,4,5-Trichlorophenol         | ug/L  | 25                   | U | 25                   | U | 25                     | U | 25                     | U | 25                   | U | NA                  | NA |
| 2-Chloronaphthalene           | ug/L  | 10                   | U | 10                   | U | 10                     | U | 10                     | U | 10                   | U | NA                  | NA |
| 2-Nitroaniline                | ug/L  | 25                   | U | 25                   | U | 25                     | U | 25                     | U | 25                   | U | NA                  | NA |
| Dimethyl phthalate            | ug/L  | 10                   | U | 10                   | U | 10                     | U | 10                     | U | 10                   | U | NA                  | NA |
| Acenaphthylene                | ug/L  | 10                   | U | 10                   | U | 10                     | U | 10                     | U | 10                   | U | NA                  | NA |
| 2,6-Dinitrotoluene            | ug/L  | 10                   | U | 10                   | U | 10                     | U | 10                     | U | 10                   | U | NA                  | NA |
| 3-Nitroaniline                | ug/L  | 25                   | U | 25                   | U | 25                     | U | 25                     | U | 25                   | U | NA                  | NA |
| Acenaphthene                  | ug/L  | 10                   | U | 10                   | U | 36                     | U | 35                     | U | 10                   | U | NA                  | NA |
| 2,4-Dinitrophenol             | ug/L  | 25                   | U | 25                   | U | 25                     | U | 25                     | U | 25                   | U | NA                  | NA |
| 4-Nitrophenol                 | ug/L  | 25                   | U | 25                   | U | 60                     | U | 58                     | U | 25                   | U | NA                  | NA |
| Dibenzofuran                  | ug/L  | 10                   | U | 10                   | U | 10                     | U | 10                     | U | 10                   | U | NA                  | NA |
| 2,4-Dinitrotoluene            | ug/L  | 10                   | U | 10                   | U | 31                     | U | 31                     | U | 10                   | U | NA                  | NA |
| Diethyl phthalate             | ug/L  | 10                   | U | 10                   | U | 10                     | U | 10                     | U | 10                   | U | NA                  | NA |
| 4-Chlorophenyl phenyl ether   | ug/L  | 10                   | U | 10                   | U | 10                     | U | 10                     | U | 10                   | U | NA                  | NA |

Round 1 Groundwater Sample Test Results  
Semi-Volatile Organic Compounds

Remedial Investigation  
Stuart - Oliver - Holz  
Site No. 8-28-079  
Henrietta, New York

| Parameter                  | Units | SOH-OW-1R |    | SOH-OW-2R |    | SOH-OW-2-MS |   | SOH-2-MS(D) |   | SOH-OW-3R |    | SOH-S-TB |    |
|----------------------------|-------|-----------|----|-----------|----|-------------|---|-------------|---|-----------|----|----------|----|
|                            |       | 7/11/95   |    | 7/11/95   |    | 7/11/95     |   | 7/11/95     |   | 7/11/95   |    | 7/11/95  |    |
|                            |       | Q         |    | Q         |    | Q           |   | Q           |   | Q         |    | Q        |    |
| Fluorene                   | ug/L  | 10        | U  | 10        | U  | 10          | U | 10          | U | 10        | U  | NA       | NA |
| 4-Nitroaniline             | ug/L  | 25        | UJ | 25        | UJ | 25          | U | 25          | U | 25        | UJ | NA       | NA |
| 4,6-Dinitro-2-methylphenol | ug/L  | 25        | UJ | 25        | UJ | 25          | U | 25          | U | 25        | UJ | NA       | NA |
| N-Nitrosodiphenylamine     | ug/L  | 10        | U  | 10        | U  | 10          | U | 10          | U | 10        | U  | NA       | NA |
| 4-Bromophenyl phenyl ether | ug/L  | 10        | U  | 10        | U  | 10          | U | 10          | U | 10        | U  | NA       | NA |
| Hexachlorobenzene          | ug/L  | 10        | U  | 10        | U  | 10          | U | 10          | U | 10        | U  | NA       | NA |
| Pentachlorophenol          | ug/L  | 25        | U  | 25        | U  | 76          | U | 72          | U | 25        | U  | NA       | NA |
| Phenanthrene               | ug/L  | 10        | U  | 10        | U  | 10          | U | 10          | U | 10        | U  | NA       | NA |
| Anthracene                 | ug/L  | 10        | U  | 10        | U  | 10          | U | 10          | U | 10        | U  | NA       | NA |
| Carbazole                  | ug/L  | 10        | U  | 10        | U  | 10          | U | 10          | U | 10        | U  | NA       | NA |
| Di-n-butyl phthalate       | ug/L  | 10        | U  | 10        | U  | 10          | U | 10          | U | 10        | U  | NA       | NA |
| Fluoranthene               | ug/L  | 10        | U  | 10        | U  | 10          | U | 10          | U | 10        | U  | NA       | NA |
| Pyrene                     | ug/L  | 10        | U  | 10        | U  | 26          | U | 25          | U | 10        | U  | NA       | NA |
| Butyl benzyl phthalate     | ug/L  | 10        | U  | 10        | U  | 10          | U | 10          | U | 10        | U  | NA       | NA |
| 3,3'-Dichlorobenzidine     | ug/L  | 10        | U  | 10        | U  | 10          | U | 10          | U | 10        | U  | NA       | NA |
| Benzo[a]anthracene         | ug/L  | 10        | U  | 10        | U  | 10          | U | 10          | U | 10        | U  | NA       | NA |
| Chrysene                   | ug/L  | 10        | U  | 10        | U  | 10          | U | 10          | U | 10        | U  | NA       | NA |
| Bis(2-ethylhexyl)phthalate | ug/L  | 10        | U  | 10        | U  | 10          | U | 10          | U | 10        | U  | NA       | NA |
| Di-n-octyl phthalate       | ug/L  | 10        | U  | 10        | U  | 10          | U | 10          | U | 10        | U  | NA       | NA |
| Benzo[b]fluoranthene       | ug/L  | 10        | U  | 10        | U  | 10          | U | 10          | U | 10        | U  | NA       | NA |
| Benzo[k]fluoranthene       | ug/L  | 10        | UJ | 10        | UJ | 10          | U | 10          | U | 10        | UJ | NA       | NA |
| Benzo[a]pyrene             | ug/L  | 10        | U  | 10        | U  | 10          | U | 10          | U | 10        | U  | NA       | NA |
| Indeno[1,2,3-cd]pyrene     | ug/L  | 10        | U  | 10        | U  | 10          | U | 10          | U | 10        | U  | NA       | NA |
| Dibenzo[a,h]anthracene     | ug/L  | 10        | U  | 10        | U  | 10          | U | 10          | U | 10        | U  | NA       | NA |
| Benzo[g,h,i]perylene       | ug/L  | 10        | U  | 10        | U  | 10          | U | 10          | U | 10        | U  | NA       | NA |

Round 1 Groundwater Sample Test Results  
Semi-Volatile Organic Compounds

Remedial Investigation  
Stuart - Oliver - Holtz  
Site No. 8-28-079  
Henrietta, New York

| Parameter                     | Units | SOH-6-TB<br>7/12/95 |    | SOH-1W-1R<br>7/12/95 |   | SOH-1W-2R<br>7/12/95 |   | SOH-OW-8S<br>7/7/95 |   | SOH-3-TB<br>7/7/95 |    |
|-------------------------------|-------|---------------------|----|----------------------|---|----------------------|---|---------------------|---|--------------------|----|
|                               |       | Q                   |    | Q                    |   | Q                    |   | Q                   |   | Q                  |    |
| Phenol                        | ug/L  | NA                  | NA | 10                   | U | 10                   | U | 10                  | U | NA                 | NA |
| Bis(2-chloroethyl)ether       | ug/L  | NA                  | NA | 10                   | U | 10                   | U | 10                  | U | NA                 | NA |
| 2-Chlorophenol                | ug/L  | NA                  | NA | 10                   | U | 10                   | U | 10                  | U | NA                 | NA |
| 1,3-Dichlorobenzene           | ug/L  | NA                  | NA | 10                   | U | 10                   | U | 10                  | U | NA                 | NA |
| 1,4-Dichlorobenzene           | ug/L  | NA                  | NA | 10                   | U | 10                   | U | 10                  | U | NA                 | NA |
| 1,2-Dichlorobenzene           | ug/L  | NA                  | NA | 10                   | U | 10                   | U | 10                  | U | NA                 | NA |
| 2-Methylphenol                | ug/L  | NA                  | NA | 10                   | U | 10                   | U | 10                  | U | NA                 | NA |
| 2,2'-Oxybis (1-chloropropane) | ug/L  | NA                  | NA | 10                   | U | 10                   | U | 10                  | U | NA                 | NA |
| 4-Methylphenol                | ug/L  | NA                  | NA | 10                   | U | 10                   | U | 10                  | U | NA                 | NA |
| N-Nitrosodi-n-propylamine     | ug/L  | NA                  | NA | 10                   | U | 10                   | U | 10                  | U | NA                 | NA |
| Hexachloroethane              | ug/L  | NA                  | NA | 10                   | U | 10                   | U | 10                  | U | NA                 | NA |
| Nitrobenzene                  | ug/L  | NA                  | NA | 10                   | U | 10                   | U | 10                  | U | NA                 | NA |
| Isophorone                    | ug/L  | NA                  | NA | 10                   | U | 10                   | U | 10                  | U | NA                 | NA |
| 2-Nitrophenol                 | ug/L  | NA                  | NA | 10                   | U | 10                   | U | 10                  | U | NA                 | NA |
| 2,4-Dimethylphenol            | ug/L  | NA                  | NA | 10                   | U | 10                   | U | 10                  | U | NA                 | NA |
| Bis(2-chloroethoxy)methane    | ug/L  | NA                  | NA | 10                   | U | 10                   | U | 10                  | U | NA                 | NA |
| 2,4-Dichlorophenol            | ug/L  | NA                  | NA | 10                   | U | 10                   | U | 10                  | U | NA                 | NA |
| 1,2,4-Trichlorobenzene        | ug/L  | NA                  | NA | 10                   | U | 10                   | U | 10                  | U | NA                 | NA |
| Naphthalene                   | ug/L  | NA                  | NA | 10                   | U | 10                   | U | 10                  | U | NA                 | NA |
| 4-Chloroaniline               | ug/L  | NA                  | NA | 10                   | U | 10                   | U | 10                  | U | NA                 | NA |
| Hexachlorobutadiene           | ug/L  | NA                  | NA | 10                   | U | 10                   | U | 10                  | U | NA                 | NA |
| 4-Chloro-3-methylphenol       | ug/L  | NA                  | NA | 10                   | U | 10                   | U | 10                  | U | NA                 | NA |
| 2-Methylnaphthalene           | ug/L  | NA                  | NA | 10                   | U | 10                   | U | 10                  | U | NA                 | NA |
| Hexachlorocyclopentadiene     | ug/L  | NA                  | NA | 10                   | U | 10                   | U | 10                  | U | NA                 | NA |
| 2,4,6-Trichlorophenol         | ug/L  | NA                  | NA | 10                   | U | 10                   | U | 10                  | U | NA                 | NA |
| 2,4,5-Trichlorophenol         | ug/L  | NA                  | NA | 25                   | U | 25                   | U | 25                  | U | NA                 | NA |
| 2-Chloronaphthalene           | ug/L  | NA                  | NA | 10                   | U | 10                   | U | 10                  | U | NA                 | NA |
| 2-Nitroaniline                | ug/L  | NA                  | NA | 25                   | U | 25                   | U | 25                  | U | NA                 | NA |
| Dimethyl phthalate            | ug/L  | NA                  | NA | 10                   | U | 10                   | U | 10                  | U | NA                 | NA |
| Acenaphthylene                | ug/L  | NA                  | NA | 10                   | U | 10                   | U | 10                  | U | NA                 | NA |
| 2,6-Dinitrotoluene            | ug/L  | NA                  | NA | 10                   | U | 10                   | U | 10                  | U | NA                 | NA |
| 3-Nitroaniline                | ug/L  | NA                  | NA | 25                   | U | 25                   | U | 25                  | U | NA                 | NA |
| Acenaphthene                  | ug/L  | NA                  | NA | 10                   | U | 10                   | U | 10                  | U | NA                 | NA |
| 2,4-Dinitrophenol             | ug/L  | NA                  | NA | 25                   | U | 25                   | U | 25                  | U | NA                 | NA |
| 4-Nitrophenol                 | ug/L  | NA                  | NA | 25                   | U | 25                   | U | 25                  | U | NA                 | NA |
| Dibenzofuran                  | ug/L  | NA                  | NA | 10                   | U | 10                   | U | 10                  | U | NA                 | NA |
| 2,4-Dinitrotoluene            | ug/L  | NA                  | NA | 10                   | U | 10                   | U | 10                  | U | NA                 | NA |
| Diethyl phthalate             | ug/L  | NA                  | NA | 10                   | U | 10                   | U | 10                  | U | NA                 | NA |
| 4-Chlorophenyl phenyl ether   | ug/L  | NA                  | NA | 10                   | U | 10                   | U | 10                  | U | NA                 | NA |

Round 1 Groundwater Sample Test Results  
Semi-Volatile Organic Compounds

Remedial Investigation  
Stuart - Oliver - Holtz  
Site No. 8-28-079  
Henrietta, New York

| Parameter                  | Units | SOH-6-TB<br>7/12/95 |    | SOH-1W-1R<br>7/12/95 |    | SOH-1W-2R<br>7/12/95 |    | SOH-OW-8S<br>7/7/95 |    | SOH-3-TB<br>7/7/95 |    |
|----------------------------|-------|---------------------|----|----------------------|----|----------------------|----|---------------------|----|--------------------|----|
|                            |       | Q                   |    | Q                    |    | Q                    |    | Q                   |    | Q                  |    |
| Fluorene                   | ug/L  | NA                  | NA | 10                   | U  | 10                   | U  | 10                  | U  | NA                 | NA |
| 4-Nitroaniline             | ug/L  | NA                  | NA | 25                   | U  | 25                   | U  | 25                  | U  | NA                 | NA |
| 4,6-Dinitro-2-methylphenol | ug/L  | NA                  | NA | 25                   | UJ | 25                   | UJ | 25                  | U  | NA                 | NA |
| N-Nitrosodiphenylamine     | ug/L  | NA                  | NA | 10                   | U  | 10                   | U  | 10                  | U  | NA                 | NA |
| 4-Bromophenyl phenyl ether | ug/L  | NA                  | NA | 10                   | U  | 10                   | U  | 10                  | U  | NA                 | NA |
| Hexachlorobenzene          | ug/L  | NA                  | NA | 10                   | U  | 10                   | U  | 10                  | U  | NA                 | NA |
| Pentachlorophenol          | ug/L  | NA                  | NA | 25                   | U  | 25                   | U  | 25                  | UJ | NA                 | NA |
| Phenanthrene               | ug/L  | NA                  | NA | 10                   | U  | 10                   | U  | 10                  | U  | NA                 | NA |
| Anthracene                 | ug/L  | NA                  | NA | 10                   | U  | 10                   | U  | 10                  | U  | NA                 | NA |
| Carbazole                  | ug/L  | NA                  | NA | 10                   | U  | 10                   | U  | 10                  | U  | NA                 | NA |
| Di-n-butyl phthalate       | ug/L  | NA                  | NA | 10                   | U  | 10                   | U  | 10                  | U  | NA                 | NA |
| Fluoranthene               | ug/L  | NA                  | NA | 10                   | U  | 10                   | U  | 10                  | U  | NA                 | NA |
| Pyrene                     | ug/L  | NA                  | NA | 10                   | U  | 10                   | U  | 10                  | U  | NA                 | NA |
| Butyl benzyl phthalate     | ug/L  | NA                  | NA | 10                   | U  | 10                   | U  | 10                  | U  | NA                 | NA |
| 3,3'-Dichlorobenzidine     | ug/L  | NA                  | NA | 10                   | U  | 10                   | U  | 10                  | U  | NA                 | NA |
| Benzofluoranthene          | ug/L  | NA                  | NA | 10                   | U  | 10                   | U  | 10                  | U  | NA                 | NA |
| Chrysene                   | ug/L  | NA                  | NA | 10                   | U  | 10                   | U  | 10                  | U  | NA                 | NA |
| Bis(2-ethylhexyl)phthalate | ug/L  | NA                  | NA | 10                   | U  | 10                   | U  | 10                  | U  | NA                 | NA |
| Di-n-octyl phthalate       | ug/L  | NA                  | NA | 10                   | U  | 10                   | U  | 10                  | U  | NA                 | NA |
| Benzofluoranthene          | ug/L  | NA                  | NA | 10                   | U  | 10                   | U  | 10                  | U  | NA                 | NA |
| Benzofluoranthene          | ug/L  | NA                  | NA | 10                   | U  | 10                   | U  | 10                  | U  | NA                 | NA |
| Benzofluoranthene          | ug/L  | NA                  | NA | 10                   | U  | 10                   | U  | 10                  | U  | NA                 | NA |
| Indeno[1,2,3-cd]pyrene     | ug/L  | NA                  | NA | 10                   | U  | 10                   | U  | 10                  | U  | NA                 | NA |
| Dibenzofluoranthene        | ug/L  | NA                  | NA | 10                   | U  | 10                   | U  | 10                  | U  | NA                 | NA |
| Benzofluoranthene          | ug/L  | NA                  | NA | 10                   | U  | 10                   | U  | 10                  | U  | NA                 | NA |



Round 1 Groundwater Sample Test Results  
Semi-Volatile Organic Compounds

Remedial Investigation  
Stuart - Olver - Holz  
Site No. 8-28-079  
Henrietta, New York

| Parameter                     | Units | SOH-7-TB<br>7/13/95 |  | SOH-OW-4R<br>7/13/95 |  | SOH-OW-7R<br>7/13/95 |  | SOH-1-DUP2<br>7/13/95 |  | SOH-OW-LS<br>7/13/95 |  |
|-------------------------------|-------|---------------------|--|----------------------|--|----------------------|--|-----------------------|--|----------------------|--|
|                               |       | Q                   |  | Q                    |  | Q                    |  | Q                     |  | Q                    |  |
| Phenol                        | ug/L  | NA                  |  | 10                   |  | 10                   |  | 13                    |  | 10                   |  |
| Bis(2-chloroethoxy)ether      | ug/L  | NA                  |  | 10                   |  | 10                   |  | 10                    |  | 10                   |  |
| 2-Chlorophenol                | ug/L  | NA                  |  | 10                   |  | 10                   |  | 10                    |  | 10                   |  |
| 1,3-Dichlorobenzene           | ug/L  | NA                  |  | 10                   |  | 10                   |  | 10                    |  | 10                   |  |
| 1,4-Dichlorobenzene           | ug/L  | NA                  |  | 10                   |  | 10                   |  | 10                    |  | 10                   |  |
| 1,2-Dichlorobenzene           | ug/L  | NA                  |  | 10                   |  | 10                   |  | 10                    |  | 10                   |  |
| 2-Methylphenol                | ug/L  | NA                  |  | 10                   |  | 10                   |  | 10                    |  | 10                   |  |
| 2,2'-Oxybis (1-chloropropane) | ug/L  | NA                  |  | 10                   |  | 10                   |  | 10                    |  | 10                   |  |
| 4-Methylphenol                | ug/L  | NA                  |  | 10                   |  | 10                   |  | 2                     |  | 10                   |  |
| N-Nitrosodi-n-propylamine     | ug/L  | NA                  |  | 10                   |  | 10                   |  | 10                    |  | 10                   |  |
| Hexachloroethane              | ug/L  | NA                  |  | 10                   |  | 10                   |  | 10                    |  | 10                   |  |
| Nitrobenzene                  | ug/L  | NA                  |  | 10                   |  | 10                   |  | 10                    |  | 10                   |  |
| Isophorone                    | ug/L  | NA                  |  | 10                   |  | 10                   |  | 3                     |  | 10                   |  |
| 2-Nitrophenol                 | ug/L  | NA                  |  | 10                   |  | 10                   |  | 10                    |  | 10                   |  |
| 2,4-Dimethylphenol            | ug/L  | NA                  |  | 10                   |  | 10                   |  | 10                    |  | 10                   |  |
| Bis(2-chloroethoxy)methane    | ug/L  | NA                  |  | 10                   |  | 10                   |  | 10                    |  | 10                   |  |
| 2,4-Dichlorophenol            | ug/L  | NA                  |  | 10                   |  | 10                   |  | 10                    |  | 10                   |  |
| 1,2,4-Trichlorobenzene        | ug/L  | NA                  |  | 10                   |  | 10                   |  | 10                    |  | 10                   |  |
| Naphthalene                   | ug/L  | NA                  |  | 10                   |  | 10                   |  | 10                    |  | 10                   |  |
| 4-Chloroaniline               | ug/L  | NA                  |  | 10                   |  | 10                   |  | 10                    |  | 10                   |  |
| Hexachlorobutadiene           | ug/L  | NA                  |  | 10                   |  | 10                   |  | 10                    |  | 10                   |  |
| 4-Chloro-3-methylphenol       | ug/L  | NA                  |  | 10                   |  | 10                   |  | 10                    |  | 10                   |  |
| 2-Methylnaphthalene           | ug/L  | NA                  |  | 10                   |  | 10                   |  | 10                    |  | 10                   |  |
| Hexachlorocyclopentadiene     | ug/L  | NA                  |  | 10                   |  | 10                   |  | 10                    |  | 10                   |  |
| 2,4,6-Trichlorophenol         | ug/L  | NA                  |  | 10                   |  | 10                   |  | 10                    |  | 10                   |  |
| 2,4,5-Trichlorophenol         | ug/L  | NA                  |  | 25                   |  | 25                   |  | 25                    |  | 25                   |  |
| 2-Chloronaphthalene           | ug/L  | NA                  |  | 10                   |  | 10                   |  | 10                    |  | 10                   |  |
| 2-Nitroaniline                | ug/L  | NA                  |  | 25                   |  | 25                   |  | 25                    |  | 25                   |  |
| Dimethyl phthalate            | ug/L  | NA                  |  | 10                   |  | 10                   |  | 10                    |  | 10                   |  |
| Acenaphthylene                | ug/L  | NA                  |  | 10                   |  | 10                   |  | 10                    |  | 10                   |  |
| 2,6-Dinitrotoluene            | ug/L  | NA                  |  | 10                   |  | 10                   |  | 10                    |  | 10                   |  |
| 3-Nitroaniline                | ug/L  | NA                  |  | 25                   |  | 25                   |  | 25                    |  | 25                   |  |
| Acenaphthene                  | ug/L  | NA                  |  | 10                   |  | 10                   |  | 10                    |  | 10                   |  |
| 2,4-Dinitrophenol             | ug/L  | NA                  |  | 25                   |  | 25                   |  | 25                    |  | 25                   |  |
| 4-Nitrophenol                 | ug/L  | NA                  |  | 25                   |  | 25                   |  | 25                    |  | 25                   |  |
| Dibenzofuran                  | ug/L  | NA                  |  | 10                   |  | 10                   |  | 10                    |  | 10                   |  |
| 2,4-Dinitrotoluene            | ug/L  | NA                  |  | 10                   |  | 10                   |  | 10                    |  | 10                   |  |
| Diethyl phthalate             | ug/L  | NA                  |  | 10                   |  | 10                   |  | 10                    |  | 10                   |  |
| 4-Chlorophenyl phenyl ether   | ug/L  | NA                  |  | 10                   |  | 10                   |  | 10                    |  | 10                   |  |

Round 1 Groundwater Sample Test Results  
Semi-Volatile Organic Compounds

Remedial Investigation  
Stuart - Oliver - Holtz  
Site No. 8-28-079  
Henrietta, New York

| Parameter                  | Units | SOH-7-TB<br>7/13/95 |    | SOH-OW-4R<br>7/13/95 |    | SOH-OW-7R<br>7/13/95 |    | SOH-1-DUP2<br>7/13/95 |    | SOH-OW-LS<br>7/13/95 |    |
|----------------------------|-------|---------------------|----|----------------------|----|----------------------|----|-----------------------|----|----------------------|----|
|                            |       | Q                   |    | Q                    |    | Q                    |    | Q                     |    | Q                    |    |
| Fluorene                   | ug/L  | NA                  | NA | 10                   | U  | 10                   | U  | 10                    | U  | 10                   | U  |
| 4-Nitroaniline             | ug/L  | NA                  | NA | 25                   | U  | 25                   | U  | 25                    | U  | 25                   | U  |
| 4,6-Dinitro-2-methylphenol | ug/L  | NA                  | NA | 25                   | UJ | 25                   | UJ | 25                    | UJ | 25                   | UJ |
| N-Nitrosodiphenylamine     | ug/L  | NA                  | NA | 10                   | U  | 10                   | U  | 10                    | U  | 10                   | U  |
| 4-Bromophenyl phenyl ether | ug/L  | NA                  | NA | 10                   | U  | 10                   | U  | 10                    | U  | 10                   | U  |
| Hexachlorobenzene          | ug/L  | NA                  | NA | 10                   | U  | 10                   | U  | 10                    | U  | 10                   | U  |
| Pentachlorophenol          | ug/L  | NA                  | NA | 25                   | U  | 25                   | U  | 25                    | U  | 25                   | U  |
| Phenanthrene               | ug/L  | NA                  | NA | 10                   | U  | 10                   | U  | 10                    | U  | 10                   | U  |
| Anthracene                 | ug/L  | NA                  | NA | 10                   | U  | 10                   | U  | 10                    | U  | 10                   | U  |
| Carbazole                  | ug/L  | NA                  | NA | 10                   | U  | 10                   | U  | 10                    | U  | 10                   | U  |
| Di-n-butyl phthalate       | ug/L  | NA                  | NA | 10                   | U  | 10                   | U  | 10                    | U  | 10                   | U  |
| Fluoranthene               | ug/L  | NA                  | NA | 10                   | U  | 10                   | U  | 10                    | U  | 10                   | U  |
| Pyrene                     | ug/L  | NA                  | NA | 10                   | U  | 10                   | U  | 10                    | U  | 10                   | U  |
| Butyl benzyl phthalate     | ug/L  | NA                  | NA | 10                   | U  | 10                   | U  | 10                    | U  | 10                   | U  |
| 3,3'-Dichlorobenzidine     | ug/L  | NA                  | NA | 10                   | U  | 10                   | U  | 10                    | U  | 10                   | U  |
| Benzofluoranthene          | ug/L  | NA                  | NA | 10                   | U  | 10                   | U  | 10                    | U  | 10                   | U  |
| Chrysene                   | ug/L  | NA                  | NA | 10                   | U  | 10                   | U  | 10                    | U  | 10                   | U  |
| Bis(2-ethylhexyl)phthalate | ug/L  | NA                  | NA | 10                   | U  | 10                   | U  | 10                    | U  | 10                   | U  |
| Di-n-octyl phthalate       | ug/L  | NA                  | NA | 10                   | U  | 10                   | U  | 10                    | U  | 10                   | U  |
| Benzofluoranthene          | ug/L  | NA                  | NA | 10                   | U  | 10                   | U  | 10                    | U  | 10                   | U  |
| Benzofluoranthene          | ug/L  | NA                  | NA | 10                   | U  | 10                   | U  | 10                    | U  | 10                   | U  |
| Benzofluoranthene          | ug/L  | NA                  | NA | 10                   | U  | 10                   | U  | 10                    | U  | 10                   | U  |
| Indeno[1,2,3-cd]pyrene     | ug/L  | NA                  | NA | 10                   | U  | 10                   | U  | 10                    | U  | 10                   | U  |
| Dibenzofluoranthene        | ug/L  | NA                  | NA | 10                   | U  | 10                   | U  | 10                    | U  | 10                   | U  |
| Benzofluoranthene          | ug/L  | NA                  | NA | 10                   | U  | 10                   | U  | 10                    | U  | 10                   | U  |

Round 1 Groundwater Sample Test Results  
Metals/Others

Remedial Investigation  
Stuart - Oliver - Holtz  
Site No. 8-28-079  
Henrietta, New York

| Parameter            | Units | SOH-OW-9S<br>7/5/95 |   | SOH-OW-10S<br>7/5/95 |   | SOH-OW-11S<br>7/5/95 |   | SOH-B-101-OW<br>7/5/95 |   | SOH-1-TB<br>7/5/95 |    |
|----------------------|-------|---------------------|---|----------------------|---|----------------------|---|------------------------|---|--------------------|----|
|                      |       | E*J                 | Q | E*J                  | Q | E*J                  | Q | E*J                    | Q | E*J                | Q  |
| Aluminum             | ug/L  | 1110                |   | 14900                |   | 6170                 |   | 896                    |   | NA                 | NA |
| Antimony             | ug/L  | 11                  |   | 11                   |   | 11                   |   | 11                     |   | NA                 | NA |
| Arsenic              | ug/L  | 3                   |   | 6.6                  |   | 3.1                  |   | 3                      |   | NA                 | NA |
| Barium               | ug/L  | 124                 |   | 305                  |   | 200                  |   | 157                    |   | NA                 | NA |
| Beryllium            | ug/L  | 1                   |   | 1                    |   | 1                    |   | 1                      |   | NA                 | NA |
| Cadmium              | ug/L  | 2                   |   | 2                    |   | 2                    |   | 2                      |   | NA                 | NA |
| Calcium              | ug/L  | 91700               |   | 301000               |   | 237000               |   | 199000                 |   | NA                 | NA |
| Chromium             | ug/L  | 3.6                 |   | 31.6                 |   | 14                   |   | 2                      |   | NA                 | NA |
| Cobalt               | ug/L  | 3.8                 |   | 19.1                 |   | 12.8                 |   | 2.8                    |   | NA                 | NA |
| Copper               | ug/L  | 2.9                 |   | 56.9                 |   | 36.9                 |   | 2.6                    |   | NA                 | NA |
| Iron                 | ug/L  | 5670                |   | 31600                |   | 14200                |   | 1810                   |   | NA                 | NA |
| Lead                 | ug/L  | 1.6                 |   | 25.1                 |   | 14.6                 |   | 19                     |   | NA                 | NA |
| Magnesium            | ug/L  | 50000               |   | 132000               |   | 97200                |   | 68600                  |   | NA                 | NA |
| Manganese            | ug/L  | 105                 |   | 1420                 |   | 930                  |   | 120                    |   | NA                 | NA |
| Mercury              | ug/L  | 0.19                |   | 0.19                 |   | 0.19                 |   | 0.19                   |   | NA                 | NA |
| Nickel               | ug/L  | 23.2                |   | 89.1                 |   | 83.4                 |   | 8                      |   | NA                 | NA |
| Potassium            | ug/L  | 6680                |   | 27500                |   | 6200                 |   | 3240                   |   | NA                 | NA |
| Selenium             | ug/L  | 2                   |   | 2                    |   | 2                    |   | 2                      |   | NA                 | NA |
| Silver               | ug/L  | 1                   |   | 1                    |   | 1                    |   | 1                      |   | NA                 | NA |
| Sodium               | ug/L  | 103000              |   | 168000               |   | 35900                |   | 50600                  |   | NA                 | NA |
| Thallium             | ug/L  | 1                   |   | 1                    |   | 1                    |   | 1                      |   | NA                 | NA |
| Vanadium             | ug/L  | 3                   |   | 28.2                 |   | 12.7                 |   | 2                      |   | NA                 | NA |
| Zinc                 | ug/L  | 31                  |   | 169                  |   | 114                  |   | 33.5                   |   | NA                 | NA |
| Alkalinity, as CaCO3 | mg/L  | 240                 |   | 200                  |   | 430                  |   | 460                    |   | NA                 | NA |
| Cyanide              | ug/L  | 10                  |   | 10                   |   | 10                   |   | 10                     |   | UNJ                | NA |
| Hardness, as CaCO3   | mg/L  | 420                 |   | 850                  |   | 970                  |   | 780                    |   | NA                 | NA |

Round 1 Groundwater Sample Test Results  
Metals/Others

Remedial Investigation  
Stuart - Olver - Holtz  
Site No. 8-28-079  
Henrietta, New York

| Parameter            | Units | SOH-OW-2S<br>7/6/95 |     | SOH-OW-1S<br>7/6/95 |      | SOH-OW-5S<br>7/6/95 |     | SOH-1-DUP1<br>7/6/95 |     | SOH-2-TB<br>7/6/95 |    |
|----------------------|-------|---------------------|-----|---------------------|------|---------------------|-----|----------------------|-----|--------------------|----|
|                      |       | Q                   | E*J | Q                   | BE*J | Q                   | E*J | Q                    | E*J | Q                  | Q  |
| Aluminum             | ug/L  | 478                 | E*J | 152                 | BE*J | 6360                | E*J | 3430                 | E*J | NA                 | NA |
| Antimony             | ug/L  | 11                  | U   | 11                  | U    | 11                  | U   | 11                   | U   | NA                 | NA |
| Arsenic              | ug/L  | 3                   | U   | 3                   | U    | 5.4                 | BJ  | 3                    | U   | NA                 | NA |
| Barium               | ug/L  | 76.6                | B   | 114                 | B    | 178                 | B   | 150                  | B   | NA                 | NA |
| Beryllium            | ug/L  | 1                   | U   | 1                   | U    | 1                   | U   | 1                    | U   | NA                 | NA |
| Cadmium              | ug/L  | 2                   | U   | 2                   | U    | 2                   | U   | 2                    | U   | NA                 | NA |
| Calcium              | ug/L  | 102000              |     | 173000              |      | 126000              |     | 103000               |     | NA                 | NA |
| Chromium             | ug/L  | 2                   | U   | 15                  |      | 39.1                |     | 24.4                 |     | NA                 | NA |
| Cobalt               | ug/L  | 2                   | U   | 4.5                 | B    | 8.4                 | B   | 5.9                  | B   | NA                 | NA |
| Copper               | ug/L  | 4.1                 | B   | 55.9                |      | 38                  |     | 31.7                 |     | NA                 | NA |
| Iron                 | ug/L  | 14200               | *J  | 96700               | *J   | 20700               | *J  | 10600                | *J  | NA                 | NA |
| Lead                 | ug/L  | 1.4                 | BJ  | 2.5                 | B    | 20.0                |     | 16.2                 |     | NA                 | NA |
| Magnesium            | ug/L  | 83800               |     | 52100               |      | 68200               |     | 59500                |     | NA                 | NA |
| Manganese            | ug/L  | 218                 | *   | 450                 | *    | 553                 | *   | 363                  | *   | NA                 | NA |
| Mercury              | ug/L  | 0.19                | U   | 0.19                | U    | 0.19                | U   | 0.19                 | U   | NA                 | NA |
| Nickel               | ug/L  | 17.7                | B   | 41.6                |      | 169                 |     | 136                  |     | NA                 | NA |
| Potassium            | ug/L  | 8680                |     | 2900                | B    | 16900               |     | 15700                |     | NA                 | NA |
| Selenium             | ug/L  | 2                   | U   | 2                   | UJ   | 2                   | U   | 2                    | U   | NA                 | NA |
| Silver               | ug/L  | 1                   | U   | 1                   | U    | 1                   | U   | 1                    | U   | NA                 | NA |
| Sodium               | ug/L  | 153000              |     | 124000              |      | 49500               |     | 48100                |     | NA                 | NA |
| Thallium             | ug/L  | 1                   | U   | 1                   | U    | 1                   | U   | 1                    | U   | NA                 | NA |
| Vanadium             | ug/L  | 2                   | U   | 2                   | U    | 11.8                | B   | 7.5                  | B   | NA                 | NA |
| Zinc                 | ug/L  | 24.3                | J   | 45                  | J    | 66.7                | J   | 62.5                 | J   | NA                 | NA |
| Alkalinity, as CaCO3 | mg/L  | 340                 |     | 380                 |      | 210                 |     | 220                  |     | NA                 | NA |
| Cyanide              | ug/L  | 11.3                | NJ  | 11.5                | NJ   | 10                  | UNJ | 10                   | UNJ | NA                 | NA |
| Hardness, as CaCO3   | mg/L  | 580                 |     | 580                 |      | 470                 |     | 700                  |     | NA                 | NA |

Round 1 Groundwater Sample Test Results  
Metals/Others

Remedial Investigation  
Stuart - Oliver - Holtz  
Site No. 8-28-079  
Henrietta, New York

| Parameter            | Units | SOH-OW-6S<br>7/7/95 |        | SOH-OW-3S<br>7/7/95 |        | SOH-OW-4S<br>7/7/95 |        | SOH-1-MS<br>7/7/95 |      | SOH-1-MS(D)<br>7/7/95 |     |
|----------------------|-------|---------------------|--------|---------------------|--------|---------------------|--------|--------------------|------|-----------------------|-----|
|                      |       | Q                   | E*J    | Q                   | E*J    | Q                   | E*J    | Q                  | E*J  | Q                     | E*J |
| Aluminum             | ug/L  |                     | 726    |                     | 200    |                     | 1030   |                    | NA   |                       | NA  |
| Antimony             | ug/L  |                     | 11     |                     | 11     |                     | 11     |                    | NA   |                       | NA  |
| Arsenic              | ug/L  |                     | 3      |                     | 3      |                     | 6.1    |                    | NA   |                       | NA  |
| Barium               | ug/L  |                     | 86.6   |                     | 71.5   |                     | 98.8   |                    | NA   |                       | NA  |
| Beryllium            | ug/L  |                     | 1      |                     | 1      |                     | 1      |                    | NA   |                       | NA  |
| Cadmium              | ug/L  |                     | 2      |                     | 2      |                     | 2      |                    | NA   |                       | NA  |
| Calcium              | ug/L  |                     | 140000 |                     | 126000 |                     | 107000 |                    | NA   |                       | NA  |
| Chromium             | ug/L  |                     | 6.7    |                     | 3.4    |                     | 3.7    |                    | NA   |                       | NA  |
| Cobalt               | ug/L  |                     | 4.4    |                     | 5      |                     | 3.8    |                    | NA   |                       | NA  |
| Copper               | ug/L  |                     | 6.9    |                     | 7.9    |                     | 12.5   |                    | NA   |                       | NA  |
| Iron                 | ug/L  |                     | 8560   |                     | 65800  |                     | 34500  |                    | NA   |                       | NA  |
| Lead                 | ug/L  |                     | 9.4    |                     | 1.0    |                     | 2.0    |                    | NA   |                       | NA  |
| Magnesium            | ug/L  |                     | 56400  |                     | 62300  |                     | 54400  |                    | NA   |                       | NA  |
| Manganese            | ug/L  |                     | 350    |                     | 707    |                     | 374    |                    | NA   |                       | NA  |
| Mercury              | ug/L  |                     | 0.19   |                     | 0.19   |                     | 0.19   |                    | 0.2  |                       | U   |
| Nickel               | ug/L  |                     | 55.3   |                     | 43.5   |                     | 114    |                    | NA   |                       | NA  |
| Potassium            | ug/L  |                     | 4250   |                     | 2860   |                     | 3470   |                    | NA   |                       | NA  |
| Selenium             | ug/L  |                     | 2      |                     | 2      |                     | 2      |                    | NA   |                       | NA  |
| Silver               | ug/L  |                     | 1      |                     | 1      |                     | 1      |                    | NA   |                       | NA  |
| Sodium               | ug/L  |                     | 34700  |                     | 32300  |                     | 27100  |                    | NA   |                       | NA  |
| Thallium             | ug/L  |                     | 1      |                     | 1      |                     | 1      |                    | NA   |                       | NA  |
| Vanadium             | ug/L  |                     | 2      |                     | 2      |                     | 2      |                    | NA   |                       | NA  |
| Zinc                 | ug/L  |                     | 21.2   |                     | 30.7   |                     | 25.9   |                    | NA   |                       | NA  |
| Alkalinity, as CaCO3 | mg/L  |                     | 410    |                     | 380    |                     | 180    |                    | NA   |                       | 290 |
| Cyanide              | ug/L  |                     | 10     |                     | 10     |                     | 10     |                    | 50.2 |                       | 10  |
| Hardness, as CaCO3   | mg/L  |                     | 570    |                     | 520    |                     | 500    |                    | NA   |                       | 111 |

Round 1 Groundwater Sample Test Results  
Metals/Others

Remedial Investigation  
Stuart - Oliver - Holtz  
Site No. 8-28-079  
Henrietta, New York

| Parameter            | Units | SOH-MW-5<br>7/10/95 |     | SOH-MW-2<br>7/10/95 |     | SOH-MW-3<br>7/10/95 |     | SOH-OW-7S<br>7/10/95 |     | SOH-EB-WATER<br>7/10/95 |     | SOH-4-TB<br>7/10/95 |    |
|----------------------|-------|---------------------|-----|---------------------|-----|---------------------|-----|----------------------|-----|-------------------------|-----|---------------------|----|
|                      |       | Q                   |     | Q                   |     | Q                   |     | Q                    |     | Q                       |     | Q                   |    |
| Aluminum             | ug/L  | 3150                |     | 994                 |     | 1230                |     | 321                  |     | 28.8                    |     | NA                  | NA |
| Antimony             | ug/L  | 11                  | U   | 11                  | U   | 11                  | U   | 11                   | U   | 11                      | U   | NA                  | NA |
| Arsenic              | ug/L  | 3.3                 | BNJ | 4.5                 | BNJ | 4.6                 | BNJ | 4.6                  | BNJ | 3                       | UNJ | NA                  | NA |
| Barium               | ug/L  | 191                 | B   | 78.5                | B   | 122                 | B   | 81.8                 | B   | 1                       | U   | NA                  | NA |
| Beryllium            | ug/L  | 1                   | U   | 1                   | U   | 1                   | U   | 1                    | U   | 1                       | U   | NA                  | NA |
| Cadmium              | ug/L  | 2.8                 | B   | 2.4                 | B   | 3.9                 | B   | 5.5                  |     | 2                       | U   | NA                  | NA |
| Calcium              | ug/L  | 162000              |     | 136000              |     | 144000              |     | 61000                |     | 125                     | B   | NA                  | NA |
| Chromium             | ug/L  | 6.4                 | B   | 2.3                 | B   | 21                  |     | 8.2                  | B   | 2                       | U   | NA                  | NA |
| Cobalt               | ug/L  | 3.8                 | B   | 2                   | U   | 2                   | U   | 2                    | U   | 2                       | U   | NA                  | NA |
| Copper               | ug/L  | 24.5                | B   | 3.8                 | B   | 14.5                | B   | 38.6                 |     | 7.9                     | B   | NA                  | NA |
| Iron                 | ug/L  | 5770                |     | 3960                |     | 3860                |     | 40300                |     | 13                      | B   | NA                  | NA |
| Lead                 | ug/L  | 7.6                 | NJ  | 1.6                 | BNJ | 10.0                | NJ  | 2.7                  | BNJ | 1.0                     | UNJ | NA                  | NA |
| Magnesium            | ug/L  | 66800               |     | 82500               |     | 825000              |     | 43400                |     | 15.6                    | B   | NA                  | NA |
| Manganese            | ug/L  | 695                 |     | 154                 |     | 276                 |     | 684                  |     | 1                       | U   | NA                  | NA |
| Mercury              | ug/L  | 0.19                | U   | 0.19                | U   | 0.19                | U   | 0.19                 | U   | 0.19                    | U   | NA                  | NA |
| Nickel               | ug/L  | 15.6                | B   | 8                   | U   | 32                  | B   | 32.8                 | B   | 8                       | U   | NA                  | NA |
| Potassium            | ug/L  | 2760                | B   | 4030                | B   | 5330                |     | 9880                 |     | 1030                    | U   | NA                  | NA |
| Selenium             | ug/L  | 3                   | UJ  | 3                   | UJ  | 3                   | UJ  | 3                    | UJ  | 3                       | UJ  | NA                  | NA |
| Silver               | ug/L  | 1                   | U   | 1.5                 | B   | 1.5                 | B   | 1.4                  | B   | 1                       | U   | NA                  | NA |
| Sodium               | ug/L  | 40300               |     | 42800               |     | 63000               |     | 21200                |     | 250                     | B   | NA                  | NA |
| Thallium             | ug/L  | 2                   | U   | 2                   | U   | 2                   | U   | 2                    | U   | 2                       | U   | NA                  | NA |
| Vanadium             | ug/L  | 8.6                 | B   | 2                   | U   | 3.4                 | B   | 2.6                  | B   | 2                       | U   | NA                  | NA |
| Zinc                 | ug/L  | 46.2                |     | 23.6                |     | 66                  |     | 38.2                 |     | 19.8                    | B   | NA                  | NA |
| Alkalinity, as CaCO3 | mg/L  | 400                 |     | 310                 |     | 230                 |     | 200                  |     | 22                      |     | NA                  | NA |
| Cyanide              | ug/L  | 10                  | U   | 10                  | U   | 10                  | U   | 10                   | U   | 10                      | U   | NA                  | NA |
| Hardness, as CaCO3   | mg/L  | 780                 |     | 680                 |     | 690                 |     | 350                  |     | 5                       | U   | NA                  | NA |

Round 1 Groundwater Sample Test Results  
Metals/Others

Remedial Investigation  
Stuart - Olver - Holtz  
Site No. 8-28-079  
Henrietta, New York

| Parameter            | Units | SOH-OW-1R<br>7/11/95 |     | SOH-OW-2R<br>7/11/95 |   | SOH-OW-2-MS<br>7/11/95 |   | SOH-2-MS(D)<br>7/11/95 |   | SOH-OW-3R<br>7/11/95 |     | SOH-5-TB<br>7/11/95 |   |
|----------------------|-------|----------------------|-----|----------------------|---|------------------------|---|------------------------|---|----------------------|-----|---------------------|---|
|                      |       |                      | Q   |                      | Q |                        | Q |                        | Q |                      | Q   |                     | Q |
| Aluminum             | ug/L  | 559                  |     | 290                  |   | NA                     |   | NA                     |   | 248                  |     | NA                  |   |
| Antimony             | ug/L  | 11                   | U   | 11                   |   | NA                     |   | NA                     |   | 11                   | U   | NA                  |   |
| Arsenic              | ug/L  | 8.3                  | BNJ | 3                    |   | NA                     |   | NA                     |   | 4.8                  | BNJ | NA                  |   |
| Barium               | ug/L  | 61                   | B   | 35.4                 |   | NA                     |   | NA                     |   | 10.4                 | B   | NA                  |   |
| Beryllium            | ug/L  | 1                    | U   | 1                    |   | NA                     |   | NA                     |   | 1                    | U   | NA                  |   |
| Cadmium              | ug/L  | 2.7                  | BJ  | 3.3                  |   | NA                     |   | NA                     |   | 2                    | U   | NA                  |   |
| Calcium              | ug/L  | 83900                |     | 73000                |   | NA                     |   | NA                     |   | 388000               |     | NA                  |   |
| Chromium             | ug/L  | 13.3                 |     | 8                    |   | NA                     |   | NA                     |   | 7.8                  | B   | NA                  |   |
| Cobalt               | ug/L  | 4.1                  | B   | 4.6                  |   | NA                     |   | NA                     |   | 3.5                  | B   | NA                  |   |
| Copper               | ug/L  | 52.8                 |     | 45                   |   | NA                     |   | NA                     |   | 65.9                 |     | NA                  |   |
| Iron                 | ug/L  | 89800                |     | 64800                |   | NA                     |   | NA                     |   | 60200                |     | NA                  |   |
| Lead                 | ug/L  | 3.5                  | NJ  | 2.2                  |   | NA                     |   | NA                     |   | 1.0                  | UNJ | NA                  |   |
| Magnesium            | ug/L  | 51700                |     | 33600                |   | NA                     |   | NA                     |   | 44000                |     | NA                  |   |
| Manganese            | ug/L  | 874                  |     | 836                  |   | NA                     |   | NA                     |   | 1670                 |     | NA                  |   |
| Mercury              | ug/L  | 0.39                 |     | 0.19                 |   | NA                     |   | NA                     |   | 0.19                 | U   | NA                  |   |
| Nickel               | ug/L  | 54.3                 |     | 39.3                 |   | NA                     |   | NA                     |   | 38.3                 | B   | NA                  |   |
| Potassium            | ug/L  | 8420                 |     | 9970                 |   | NA                     |   | NA                     |   | 13300                |     | NA                  |   |
| Selenium             | ug/L  | 3                    | UJ  | 3                    |   | NA                     |   | NA                     |   | 3                    | UJ  | NA                  |   |
| Silver               | ug/L  | 3                    | B   | 1.4                  |   | NA                     |   | NA                     |   | 2.1                  | B   | NA                  |   |
| Sodium               | ug/L  | 18100                |     | 18100                |   | NA                     |   | NA                     |   | 16200                |     | NA                  |   |
| Thallium             | ug/L  | 2                    | U   | 2                    |   | NA                     |   | NA                     |   | 2                    | U   | NA                  |   |
| Vanadium             | ug/L  | 5.2                  | B   | 3.8                  |   | NA                     |   | NA                     |   | 3                    | B   | NA                  |   |
| Zinc                 | ug/L  | 45.5                 |     | 36.4                 |   | NA                     |   | NA                     |   | 34.6                 |     | NA                  |   |
| Alkalinity, as CaCO3 | mg/L  | 230                  |     | 61                   |   | NA                     |   | 170                    |   | 34                   |     | NA                  |   |
| Cyanide              | ug/L  | 10                   | U   | 10                   |   | 76.5                   |   | 10                     | U | 10                   | U   | NA                  |   |
| Hardness, as CaCO3   | mg/L  | 460                  |     | 330                  |   | NA                     |   | 430                    |   | 1200                 |     | NA                  |   |

Round 1 Groundwater Sample Test Results  
Metals/Others

Remedial Investigation  
Stuart - Oliver - Holtz  
Site No. 8-28-079  
Henrietta, New York

| Parameter            | Units | SOH-6-TB<br>7/12/95 |        | SOH-IW-1R<br>7/12/95 |        | SOH-IW-2R<br>7/12/95 |       | SOH-OW-8S<br>7/7/95 |      | SOH-3-TB<br>7/7/95 |    |
|----------------------|-------|---------------------|--------|----------------------|--------|----------------------|-------|---------------------|------|--------------------|----|
|                      |       | Q                   |        | Q                    |        | Q                    |       | Q                   |      | Q                  |    |
| Aluminum             | ug/L  | NA                  | 753    |                      | 522    |                      | 28.9  |                     | BE-J | NA                 | NA |
| Antimony             | ug/L  | NA                  | 47.8   | B                    | 11     | U                    | 11    | U                   | U    | NA                 | NA |
| Arsenic              | ug/L  | NA                  | 18.6   | SNJ                  | 11     | SNJ                  | 3     | UJ                  | UJ   | NA                 | NA |
| Barium               | ug/L  | NA                  | 62.8   | B                    | 44.5   | B                    | 31.5  | B                   | B    | NA                 | NA |
| Beryllium            | ug/L  | NA                  | 1      | U                    | 1      | U                    | 1     | U                   | U    | NA                 | NA |
| Cadmium              | ug/L  | NA                  | 190    |                      | 51.4   |                      | 2     | U                   | U    | NA                 | NA |
| Calcium              | ug/L  | NA                  | 224000 |                      | 202000 |                      | 86100 |                     |      | NA                 | NA |
| Chromium             | ug/L  | NA                  | 3700   |                      | 110    |                      | 2     | U                   | U    | NA                 | NA |
| Cobalt               | ug/L  | NA                  | 19.4   | B                    | 18.8   | B                    | 3.9   | B                   | B    | NA                 | NA |
| Copper               | ug/L  | NA                  | 678    |                      | 280    |                      | 2     | U                   | U    | NA                 | NA |
| Iron                 | ug/L  | NA                  | 265000 |                      | 49800  |                      | 320   | *J                  | *J   | NA                 | NA |
| Lead                 | ug/L  | NA                  | 78.1   | NJ                   | 35.4   | SNJ                  | 1.0   | U                   | U    | NA                 | NA |
| Magnesium            | ug/L  | NA                  | 28400  |                      | 55100  |                      | 59700 |                     |      | NA                 | NA |
| Manganese            | ug/L  | NA                  | 559    |                      | 428    |                      | 85.4  | *                   | *    | NA                 | NA |
| Mercury              | ug/L  | NA                  | 0.2    | B                    | 0.19   | U                    | 0.19  | U                   | U    | NA                 | NA |
| Nickel               | ug/L  | NA                  | 1270   |                      | 7770   |                      | 46.6  |                     |      | NA                 | NA |
| Potassium            | ug/L  | NA                  | 6570   |                      | 10200  |                      | 4030  | B                   | B    | NA                 | NA |
| Selenium             | ug/L  | NA                  | 3      | UJ                   | 3      | U                    | 2     | U                   | U    | NA                 | NA |
| Silver               | ug/L  | NA                  | 15.8   |                      | 2.6    | B                    | 1     | U                   | U    | NA                 | NA |
| Sodium               | ug/L  | NA                  | 18700  |                      | 87600  |                      | 42100 |                     |      | NA                 | NA |
| Thallium             | ug/L  | NA                  | 2      | U                    | 2      | U                    | 1     | U                   | U    | NA                 | NA |
| Vanadium             | ug/L  | NA                  | 227    | B                    | 3.9    | B                    | 2     | U                   | U    | NA                 | NA |
| Zinc                 | ug/L  | NA                  | 2790   |                      | 961    |                      | 15.3  | B                   | B    | NA                 | NA |
| Alkalinity, as CaCO3 | mg/L  | NA                  | 120    |                      | 280    |                      | 260   |                     |      | NA                 | NA |
| Cyanide              | ug/L  | NA                  | 16.6   |                      | 10     | U                    | 10    | UNJ                 | UNJ  | NA                 | NA |
| Hardness, as CaCO3   | mg/L  | NA                  | 640    |                      | 520    |                      | 460   |                     |      | NA                 | NA |



Round 1 Groundwater Sample Test Results  
Metals/Others

Remedial Investigation  
Stuart - Oliver - Holtz  
Site No. 8-28-079  
Henrietta, New York

| Parameter            | Units | SOH-7-TB<br>7/13/95 |    | SOH-OW-4R<br>7/13/95 |      | SOH-OW-7R<br>7/13/95 |     | SOH-1-DUP2<br>7/13/95 |     | SOH-OW-LS<br>7/13/95 |     |
|----------------------|-------|---------------------|----|----------------------|------|----------------------|-----|-----------------------|-----|----------------------|-----|
|                      |       |                     | Q  |                      | Q    |                      | Q   |                       | Q   |                      | Q   |
| Aluminum             | ug/L  | NA                  | NA | 1400                 |      | 247                  |     | 239                   |     | 2250                 |     |
| Antimony             | ug/L  | NA                  | NA | 11                   | U    | 11                   | U   | 11                    | U   | 11                   | U   |
| Arsenic              | ug/L  | NA                  | NA | 3                    | UNJ  | 3                    | BNJ | 3.9                   | BNJ | 3                    | UNJ |
| Barium               | ug/L  | NA                  | NA | 23.5                 | B    | 41.4                 | B   | 42.4                  | B   | 106                  | B   |
| Beryllium            | ug/L  | NA                  | NA | 1                    | U    | 1                    | U   | 1                     | U   | 1                    | U   |
| Cadmium              | ug/L  | NA                  | NA | 3                    | BJ   | 2                    | U   | 2                     | U   | 2                    | U   |
| Calcium              | ug/L  | NA                  | NA | 458000               |      | 208000               |     | 207000                |     | 219000               |     |
| Chromium             | ug/L  | NA                  | NA | 4.8                  | B    | 4                    | B   | 5.3                   | B   | 4                    | B   |
| Cobalt               | ug/L  | NA                  | NA | 2.1                  | B    | 2.4                  | B   | 2                     | U   | 10.1                 | B   |
| Copper               | ug/L  | NA                  | NA | 29.6                 |      | 36.1                 |     | 33.3                  |     | 9.3                  | B   |
| Iron                 | ug/L  | NA                  | NA | 39300                |      | 42300                |     | 36900                 |     | 6080                 |     |
| Lead                 | ug/L  | NA                  | NA | 2.8                  | BSNJ | 2.4                  | BNJ | 2.1                   | BNJ | 20.1                 | NJ  |
| Magnesium            | ug/L  | NA                  | NA | 59700                |      | 23400                |     | 25900                 |     | 75800                |     |
| Manganese            | ug/L  | NA                  | NA | 606                  |      | 518                  |     | 441                   |     | 808                  |     |
| Mercury              | ug/L  | NA                  | NA | 0.24                 |      | 0.19                 | U   | 0.19                  | U   | 0.19                 | U   |
| Nickel               | ug/L  | NA                  | NA | 25.5                 | B    | 66.3                 |     | 68.7                  |     | 8                    | U   |
| Potassium            | ug/L  | NA                  | NA | 19100                |      | 75600                |     | 67500                 |     | 2940                 | B   |
| Selenium             | ug/L  | NA                  | NA | 3                    | UJ   | 3                    | UJ  | 3                     | U   | 3                    | U   |
| Silver               | ug/L  | NA                  | NA | 2.2                  | B    | 2.2                  | B   | 2                     | B   | 1.9                  | B   |
| Sodium               | ug/L  | NA                  | NA | 22200                |      | 81600                |     | 73400                 |     | 73900                |     |
| Thallium             | ug/L  | NA                  | NA | 2                    | U    | 2                    | U   | 2                     | U   | 2                    | U   |
| Vanadium             | ug/L  | NA                  | NA | 3.5                  | B    | 3.4                  | B   | 4.7                   | B   | 6.2                  | B   |
| Zinc                 | ug/L  | NA                  | NA | 25.4                 |      | 34                   |     | 27.4                  |     | 79.7                 |     |
| Alkalinity, as CaCO3 | mg/L  | NA                  | NA | 150                  |      | 57                   |     | 61                    |     | 490                  |     |
| Cyanide              | ug/L  | NA                  | NA | 10                   | U    | 10                   | U   | 10                    | U   | 10                   | U   |
| Hardness, as CaCO3   | mg/L  | NA                  | NA | 1500                 |      | 700                  |     | 700                   |     | 960                  |     |

Round 1 Groundwater Sample Test Results  
PCB's/Pesticides

Remedial Investigation  
Stuart - Oliver - Holtz  
Site No. 8-28-079  
Henrietta, New York

| Parameter           | Units | SOH-OW-9S |    | SOH-OW-10S |    | SOH-OW-11S |    | SOH-B-101-OW |    | SOH-1-TB |    |
|---------------------|-------|-----------|----|------------|----|------------|----|--------------|----|----------|----|
|                     |       | 7/5/95    | Q  | 7/5/95     | Q  | 7/5/95     | Q  | 7/5/95       | Q  | 7/5/95   | Q  |
| alpha-BHC           | ug/L  | 0.05      | UJ | 0.05       | UJ | 0.05       | UJ | 0.05         | UJ | NA       | NA |
| beta-BHC            | ug/L  | 0.05      | U  | 0.05       | U  | 0.05       | U  | 0.05         | U  | NA       | NA |
| delta-BHC           | ug/L  | 0.05      | UJ | 0.05       | UJ | 0.05       | UJ | 0.05         | UJ | NA       | NA |
| gamma-BHC [Lindane] | ug/L  | 0.05      | U  | 0.05       | U  | 0.05       | U  | 0.05         | U  | NA       | NA |
| Heptachlor          | ug/L  | 0.05      | U  | 0.05       | U  | 0.05       | U  | 0.05         | U  | NA       | NA |
| Aldrin              | ug/L  | 0.05      | U  | 0.05       | U  | 0.05       | U  | 0.05         | U  | NA       | NA |
| Heptachlor epoxide  | ug/L  | 0.05      | U  | 0.05       | U  | 0.05       | U  | 0.05         | U  | NA       | NA |
| Endosulfan I        | ug/L  | 0.05      | U  | 0.05       | U  | 0.05       | U  | 0.05         | U  | NA       | NA |
| Dieldrin            | ug/L  | 0.1       | U  | 0.1        | U  | 0.1        | U  | 0.1          | U  | NA       | NA |
| 4,4'-DDE            | ug/L  | 0.1       | U  | 0.1        | U  | 0.1        | U  | 0.1          | U  | NA       | NA |
| Endrin              | ug/L  | 0.1       | U  | 0.1        | U  | 0.1        | U  | 0.1          | U  | NA       | NA |
| Endosulfan II       | ug/L  | 0.1       | U  | 0.1        | U  | 0.1        | U  | 0.1          | U  | NA       | NA |
| 4,4'-DDD            | ug/L  | 0.1       | U  | 0.1        | U  | 0.1        | U  | 0.1          | U  | NA       | NA |
| Endosulfan sulfate  | ug/L  | 0.1       | U  | 0.1        | U  | 0.1        | U  | 0.1          | U  | NA       | NA |
| 4,4'-DDT            | ug/L  | 0.1       | U  | 0.1        | U  | 0.1        | U  | 0.1          | U  | NA       | NA |
| Methoxychlor        | ug/L  | 0.5       | U  | 0.5        | U  | 0.5        | U  | 0.5          | U  | NA       | NA |
| Endrin ketone       | ug/L  | 0.1       | U  | 0.1        | U  | 0.1        | U  | 0.1          | U  | NA       | NA |
| Endrin aldehyde     | ug/L  | 0.1       | U  | 0.1        | U  | 0.1        | U  | 0.1          | U  | NA       | NA |
| alpha-Chlordane     | ug/L  | 0.05      | U  | 0.05       | U  | 0.05       | U  | 0.05         | U  | NA       | NA |
| gamma-Chlordane     | ug/L  | 0.05      | U  | 0.05       | U  | 0.05       | U  | 0.05         | U  | NA       | NA |
| Toxaphene           | ug/L  | 5         | U  | 5          | U  | 5          | U  | 5            | U  | NA       | NA |
| Aroclor 1016        | ug/L  | 1         | U  | 1          | U  | 1          | U  | 1            | U  | NA       | NA |
| Aroclor 1221        | ug/L  | 2         | U  | 2          | U  | 2          | U  | 2            | U  | NA       | NA |
| Aroclor 1232        | ug/L  | 1         | U  | 1          | U  | 1          | U  | 1            | U  | NA       | NA |
| Aroclor 1242        | ug/L  | 1         | U  | 1          | U  | 1          | U  | 1            | U  | NA       | NA |
| Aroclor 1248        | ug/L  | 1         | U  | 1          | U  | 1          | U  | 1            | U  | NA       | NA |
| Aroclor 1254        | ug/L  | 1         | U  | 1          | U  | 1          | U  | 1            | U  | NA       | NA |
| Aroclor 1260        | ug/L  | 1         | U  | 1          | U  | 1          | U  | 1            | U  | NA       | NA |

Round 1 Groundwater Sample Test Results  
PCB's/Pesticides

Remedial Investigation  
Stuart - Oliver - Holtz  
Site No. 8-28-079  
Henrietta, New York

| Parameter           | Units | SOH-OW-2S<br>7/6/95 |    | SOH-OW-1S<br>7/6/95 |    | SOH-OW-5S<br>7/6/95 |    | SOH-1-DUP1<br>7/6/95 |    | SOH-2-TB<br>7/6/95 |    |
|---------------------|-------|---------------------|----|---------------------|----|---------------------|----|----------------------|----|--------------------|----|
|                     |       | Q                   |    | Q                   |    | Q                   |    | Q                    |    | Q                  |    |
| alpha-BHC           | ug/L  | 0.05                | UJ | 0.05                | UJ | 0.05                | UJ | 0.05                 | UJ | NA                 | NA |
| beta-BHC            | ug/L  | 0.05                | U  | 0.05                | U  | 0.05                | U  | 0.05                 | U  | NA                 | NA |
| delta-BHC           | ug/L  | 0.05                | UJ | 0.05                | UJ | 0.05                | UJ | 0.05                 | UJ | NA                 | NA |
| gamma-BHC [Lindane] | ug/L  | 0.05                | U  | 0.05                | U  | 0.05                | U  | 0.05                 | U  | NA                 | NA |
| Heptachlor          | ug/L  | 0.05                | U  | 0.05                | U  | 0.05                | U  | 0.05                 | U  | NA                 | NA |
| Aldrin              | ug/L  | 0.05                | U  | 0.05                | U  | 0.05                | U  | 0.05                 | U  | NA                 | NA |
| Heptachlor epoxide  | ug/L  | 0.05                | U  | 0.05                | U  | 0.05                | U  | 0.05                 | U  | NA                 | NA |
| Endosulfan I        | ug/L  | 0.05                | U  | 0.05                | U  | 0.05                | U  | 0.05                 | U  | NA                 | NA |
| Dieldrin            | ug/L  | 0.1                 | U  | 0.1                 | U  | 0.1                 | U  | 0.1                  | U  | NA                 | NA |
| 4,4'-DDE            | ug/L  | 0.1                 | U  | 0.1                 | U  | 0.1                 | U  | 0.1                  | U  | NA                 | NA |
| Endrin              | ug/L  | 0.1                 | U  | 0.1                 | U  | 0.1                 | U  | 0.1                  | U  | NA                 | NA |
| Endosulfan II       | ug/L  | 0.1                 | U  | 0.1                 | U  | 0.1                 | U  | 0.1                  | U  | NA                 | NA |
| 4,4'-DDD            | ug/L  | 0.1                 | U  | 0.1                 | U  | 0.1                 | U  | 0.1                  | U  | NA                 | NA |
| Endosulfan sulfate  | ug/L  | 0.1                 | UJ | 0.1                 | UJ | 0.1                 | UJ | 0.1                  | UJ | NA                 | NA |
| 4,4'-DDT            | ug/L  | 0.5                 | UJ | 0.5                 | UJ | 0.5                 | UJ | 0.5                  | UJ | NA                 | NA |
| Methoxychlor        | ug/L  | 0.1                 | U  | 0.1                 | U  | 0.1                 | U  | 0.1                  | U  | NA                 | NA |
| Endrin ketone       | ug/L  | 0.1                 | U  | 0.1                 | U  | 0.1                 | U  | 0.1                  | U  | NA                 | NA |
| alpha-Chlordane     | ug/L  | 0.05                | U  | 0.05                | U  | 0.05                | U  | 0.05                 | U  | NA                 | NA |
| gamma-Chlordane     | ug/L  | 0.05                | U  | 0.05                | U  | 0.05                | U  | 0.05                 | U  | NA                 | NA |
| Toxaphene           | ug/L  | 5                   | U  | 5                   | U  | 5                   | U  | 5                    | U  | NA                 | NA |
| Aroclor 1016        | ug/L  | 1                   | U  | 1                   | U  | 1                   | U  | 1                    | U  | NA                 | NA |
| Aroclor 1221        | ug/L  | 2                   | U  | 2                   | U  | 2                   | U  | 2                    | U  | NA                 | NA |
| Aroclor 1232        | ug/L  | 1                   | U  | 1                   | U  | 1                   | U  | 1                    | U  | NA                 | NA |
| Aroclor 1242        | ug/L  | 1                   | U  | 1                   | U  | 1                   | U  | 1                    | U  | NA                 | NA |
| Aroclor 1248        | ug/L  | 1                   | U  | 1                   | U  | 1                   | U  | 1                    | U  | NA                 | NA |
| Aroclor 1254        | ug/L  | 1                   | U  | 1                   | U  | 1                   | U  | 1                    | U  | NA                 | NA |
| Aroclor 1260        | ug/L  | 1                   | U  | 1                   | U  | 1                   | U  | 1                    | U  | NA                 | NA |

Round 1 Groundwater Sample Test Results  
PCB's/Pesticides

Remedial Investigation  
Stuart - Oliver - Holtz  
Site No. 8-28-079  
Henrietta, New York

| Parameter           | Units | SOH-OW-6S<br>7/7/95 |    | SOH-OW-3S<br>7/7/95 |    | SOH-OW-4S<br>7/7/95 |    | SOH-1-MS<br>7/7/95 |  | SOH-1-MS(D)<br>7/7/95 |  |
|---------------------|-------|---------------------|----|---------------------|----|---------------------|----|--------------------|--|-----------------------|--|
|                     |       | Q                   |    | Q                   |    | Q                   |    | Q                  |  | Q                     |  |
| alpha-BHC           | ug/L  | 0.05                | UJ | 0.05                | UJ | 0.05                | UJ |                    |  |                       |  |
| beta-BHC            | ug/L  | 0.05                | U  | 0.05                | U  | 0.05                | U  |                    |  |                       |  |
| delta-BHC           | ug/L  | 0.05                | UJ | 0.05                | UJ | 0.05                | UJ |                    |  |                       |  |
| gamma-BHC [Lindane] | ug/L  | 0.05                | U  | 0.05                | U  | 0.05                | U  |                    |  |                       |  |
| Heptachlor          | ug/L  | 0.05                | U  | 0.05                | U  | 0.05                | U  |                    |  |                       |  |
| Aldrin              | ug/L  | 0.05                | U  | 0.05                | U  | 0.05                | U  |                    |  |                       |  |
| Heptachlor epoxide  | ug/L  | 0.05                | U  | 0.05                | U  | 0.05                | U  |                    |  |                       |  |
| Endosulfan I        | ug/L  | 0.05                | U  | 0.05                | U  | 0.05                | U  |                    |  |                       |  |
| Dieldrin            | ug/L  | 0.1                 | U  | 0.1                 | U  | 0.1                 | U  |                    |  |                       |  |
| 4,4'-DDE            | ug/L  | 0.1                 | U  | 0.1                 | U  | 0.1                 | U  |                    |  |                       |  |
| Endrin              | ug/L  | 0.1                 | U  | 0.1                 | U  | 0.1                 | U  |                    |  |                       |  |
| Endosulfan II       | ug/L  | 0.1                 | U  | 0.1                 | U  | 0.1                 | U  |                    |  |                       |  |
| 4,4'-DDD            | ug/L  | 0.1                 | U  | 0.1                 | U  | 0.1                 | U  |                    |  |                       |  |
| Endosulfan sulfate  | ug/L  | 0.1                 | U  | 0.1                 | U  | 0.1                 | U  |                    |  |                       |  |
| 4,4'-DDT            | ug/L  | 0.1                 | UJ | 0.1                 | UJ | 0.1                 | UJ |                    |  |                       |  |
| Methoxychlor        | ug/L  | 0.5                 | UJ | 0.5                 | UJ | 0.5                 | UJ |                    |  |                       |  |
| Endrin ketone       | ug/L  | 0.1                 | U  | 0.1                 | U  | 0.1                 | U  |                    |  |                       |  |
| Endrin aldehyde     | ug/L  | 0.1                 | U  | 0.1                 | U  | 0.1                 | U  |                    |  |                       |  |
| alpha-Chlordane     | ug/L  | 0.05                | U  | 0.05                | U  | 0.05                | U  |                    |  |                       |  |
| gamma-Chlordane     | ug/L  | 0.05                | U  | 0.05                | U  | 0.05                | U  |                    |  |                       |  |
| Toxaphene           | ug/L  | 5                   | U  | 5                   | U  | 5                   | U  |                    |  |                       |  |
| Aroclor 1016        | ug/L  | 1                   | U  | 1                   | U  | 1                   | U  |                    |  |                       |  |
| Aroclor 1221        | ug/L  | 2                   | U  | 2                   | U  | 2                   | U  |                    |  |                       |  |
| Aroclor 1232        | ug/L  | 1                   | U  | 1                   | U  | 1                   | U  |                    |  |                       |  |
| Aroclor 1242        | ug/L  | 1                   | U  | 1                   | U  | 1                   | U  |                    |  |                       |  |
| Aroclor 1248        | ug/L  | 1                   | U  | 1                   | U  | 1                   | U  |                    |  |                       |  |
| Aroclor 1254        | ug/L  | 1                   | U  | 1                   | U  | 1                   | U  |                    |  |                       |  |
| Aroclor 1260        | ug/L  | 1                   | U  | 1                   | U  | 1                   | U  |                    |  |                       |  |

Round 1 Groundwater Sample Test Results  
PCB's/Pesticides

Remedial Investigation  
Stuart - Oliver - Holtz  
Site No. 8-28-079  
Henrietta, New York

| Parameter           | Units | SOH-MW-5<br>7/10/95 |   | SOH-MW-2<br>7/10/95 |   | SOH-MW-3<br>7/10/95 |   | SOH-OW-7S<br>7/10/95 |   | SOH-EB-WATER<br>7/10/95 |   | SOH-4-TB<br>7/10/95 |    |
|---------------------|-------|---------------------|---|---------------------|---|---------------------|---|----------------------|---|-------------------------|---|---------------------|----|
|                     |       | Q                   |   | Q                   |   | Q                   |   | Q                    |   | Q                       |   | Q                   |    |
| alpha-BHC           | ug/L  | 0.05                | U | 0.05                | U | 0.05                | U | 0.05                 | U | 0.05                    | U | NA                  | NA |
| beta-BHC            | ug/L  | 0.05                | U | 0.050               | U | 0.05                | U | 0.05                 | U | 0.05                    | U | NA                  | NA |
| delta-BHC           | ug/L  | 0.05                | U | 0.05                | U | 0.05                | U | 0.05                 | U | 0.05                    | U | NA                  | NA |
| gamma-BHC [Lindane] | ug/L  | 0.05                | U | 0.05                | U | 0.05                | U | 0.05                 | U | 0.05                    | U | NA                  | NA |
| Heptachlor          | ug/L  | 0.05                | U | 0.05                | U | 0.05                | U | 0.05                 | U | 0.05                    | U | NA                  | NA |
| Aldrin              | ug/L  | 0.05                | U | 0.05                | U | 0.05                | U | 0.05                 | U | 0.05                    | U | NA                  | NA |
| Heptachlor epoxide  | ug/L  | 0.05                | U | 0.05                | U | 0.05                | U | 0.05                 | U | 0.05                    | U | NA                  | NA |
| Endosulfan I        | ug/L  | 0.05                | U | 0.05                | U | 0.05                | U | 0.05                 | U | 0.05                    | U | NA                  | NA |
| Dieldrin            | ug/L  | 0.1                 | U | 0.1                 | U | 0.1                 | U | 0.1                  | U | 0.1                     | U | NA                  | NA |
| 4,4'-DDE            | ug/L  | 0.1                 | U | 0.1                 | U | 0.1                 | U | 0.1                  | U | 0.1                     | U | NA                  | NA |
| Endrin              | ug/L  | 0.1                 | U | 0.1                 | U | 0.1                 | U | 0.1                  | U | 0.1                     | U | NA                  | NA |
| Endosulfan II       | ug/L  | 0.1                 | U | 0.1                 | U | 0.1                 | U | 0.1                  | U | 0.1                     | U | NA                  | NA |
| 4,4'-DDD            | ug/L  | 0.1                 | U | 0.1                 | U | 0.1                 | U | 0.1                  | U | 0.1                     | U | NA                  | NA |
| Endosulfan sulfate  | ug/L  | 0.1                 | U | 0.1                 | U | 0.1                 | U | 0.1                  | U | 0.1                     | U | NA                  | NA |
| 4,4'-DDT            | ug/L  | 0.5                 | U | 0.5                 | U | 0.5                 | U | 0.5                  | U | 0.5                     | U | NA                  | NA |
| Methoxychlor        | ug/L  | 0.1                 | U | 0.1                 | U | 0.1                 | U | 0.1                  | U | 0.1                     | U | NA                  | NA |
| Endrin ketone       | ug/L  | 0.1                 | U | 0.1                 | U | 0.1                 | U | 0.1                  | U | 0.1                     | U | NA                  | NA |
| Endrin aldehyde     | ug/L  | 0.05                | U | 0.05                | U | 0.05                | U | 0.05                 | U | 0.05                    | U | NA                  | NA |
| alpha-Chlordane     | ug/L  | 0.05                | U | 0.05                | U | 0.05                | U | 0.05                 | U | 0.05                    | U | NA                  | NA |
| gamma-Chlordane     | ug/L  | 0.05                | U | 0.05                | U | 0.05                | U | 0.05                 | U | 0.05                    | U | NA                  | NA |
| Toxaphene           | ug/L  | 5                   | U | 5                   | U | 5                   | U | 5                    | U | 5                       | U | NA                  | NA |
| Aroclor 1016        | ug/L  | 1                   | U | 1                   | U | 1                   | U | 1                    | U | 1                       | U | NA                  | NA |
| Aroclor 1221        | ug/L  | 2                   | U | 2                   | U | 2                   | U | 2                    | U | 2                       | U | NA                  | NA |
| Aroclor 1232        | ug/L  | 1                   | U | 1                   | U | 1                   | U | 1                    | U | 1                       | U | NA                  | NA |
| Aroclor 1242        | ug/L  | 1                   | U | 1                   | U | 1                   | U | 1                    | U | 1                       | U | NA                  | NA |
| Aroclor 1248        | ug/L  | 1                   | U | 1                   | U | 1                   | U | 1                    | U | 1                       | U | NA                  | NA |
| Aroclor 1254        | ug/L  | 1                   | U | 1                   | U | 1                   | U | 1                    | U | 1                       | U | NA                  | NA |
| Aroclor 1260        | ug/L  | 1                   | U | 1                   | U | 1                   | U | 1                    | U | 1                       | U | NA                  | NA |

Round 1 Groundwater Sample Test Results  
PCB's/Pesticides

Remedial Investigation  
Stuart - Olver - Holtz  
Site No. 8-28-079  
Henrietta, New York

| Parameter           | Units | SOH-OW-1R<br>7/11/95 |   | SOH-OW-2R<br>7/11/95 |   | SOH-OW-2-MS<br>7/11/95 |  | SOH-2-MS(D)<br>7/11/95 |  | SOH-OW-3R<br>7/11/95 |   | SOH-5<br>7/11/ |
|---------------------|-------|----------------------|---|----------------------|---|------------------------|--|------------------------|--|----------------------|---|----------------|
|                     |       | Q                    |   | Q                    |   | Q                      |  | Q                      |  | Q                    |   |                |
| alpha-BHC           | ug/L  | 0.05                 | U | 0.05                 | U |                        |  |                        |  | 0.05                 | U | NA             |
| beta-BHC            | ug/L  | 0.05                 | U | 0.05                 | U |                        |  |                        |  | 0.05                 | U | NA             |
| delta-BHC           | ug/L  | 0.05                 | U | 0.05                 | U |                        |  |                        |  | 0.05                 | U | NA             |
| gamma-BHC [Lindane] | ug/L  | 0.05                 | U | 0.05                 | U |                        |  |                        |  | 0.05                 | U | NA             |
| Heptachlor          | ug/L  | 0.05                 | U | 0.05                 | U |                        |  |                        |  | 0.05                 | U | NA             |
| Aldrin              | ug/L  | 0.05                 | U | 0.05                 | U |                        |  |                        |  | 0.05                 | U | NA             |
| Heptachlor epoxide  | ug/L  | 0.05                 | U | 0.05                 | U |                        |  |                        |  | 0.05                 | U | NA             |
| Endosulfan I        | ug/L  | 0.05                 | U | 0.05                 | U |                        |  |                        |  | 0.05                 | U | NA             |
| Dieldrin            | ug/L  | 0.1                  | U | 0.1                  | U |                        |  |                        |  | 0.1                  | U | NA             |
| 4,4'-DDE            | ug/L  | 0.1                  | U | 0.1                  | U |                        |  |                        |  | 0.1                  | U | NA             |
| Endrin              | ug/L  | 0.1                  | U | 0.1                  | U |                        |  |                        |  | 0.1                  | U | NA             |
| Endosulfan II       | ug/L  | 0.1                  | U | 0.1                  | U |                        |  |                        |  | 0.1                  | U | NA             |
| 4,4'-DDD            | ug/L  | 0.1                  | U | 0.1                  | U |                        |  |                        |  | 0.1                  | U | NA             |
| Endosulfan sulfate  | ug/L  | 0.1                  | U | 0.1                  | U |                        |  |                        |  | 0.1                  | U | NA             |
| 4,4'-DDT            | ug/L  | 0.1                  | U | 0.1                  | U |                        |  |                        |  | 0.1                  | U | NA             |
| Methoxychlor        | ug/L  | 0.5                  | U | 0.5                  | U |                        |  |                        |  | 0.5                  | U | NA             |
| Endrin ketone       | ug/L  | 0.1                  | U | 0.1                  | U |                        |  |                        |  | 0.1                  | U | NA             |
| Endrin aldehyde     | ug/L  | 0.1                  | U | 0.1                  | U |                        |  |                        |  | 0.1                  | U | NA             |
| alpha-Chlordane     | ug/L  | 0.05                 | U | 0.05                 | U |                        |  |                        |  | 0.05                 | U | NA             |
| gamma-Chlordane     | ug/L  | 0.05                 | U | 0.05                 | U |                        |  |                        |  | 0.05                 | U | NA             |
| Toxaphene           | ug/L  | 5                    | U | 5                    | U |                        |  |                        |  | 5                    | U | NA             |
| Aroclor 1016        | ug/L  | 1                    | U | 1                    | U |                        |  |                        |  | 1                    | U | NA             |
| Aroclor 1221        | ug/L  | 2                    | U | 2                    | U |                        |  |                        |  | 2                    | U | NA             |
| Aroclor 1232        | ug/L  | 1                    | U | 1                    | U |                        |  |                        |  | 1                    | U | NA             |
| Aroclor 1242        | ug/L  | 1                    | U | 1                    | U |                        |  |                        |  | 1                    | U | NA             |
| Aroclor 1248        | ug/L  | 1                    | U | 1                    | U |                        |  |                        |  | 1                    | U | NA             |
| Aroclor 1254        | ug/L  | 1                    | U | 1                    | U |                        |  |                        |  | 1                    | U | NA             |
| Aroclor 1260        | ug/L  | 1                    | U | 1                    | U |                        |  |                        |  | 1                    | U | NA             |

### Round 1 Groundwater Sample Test Results PCB's/Pesticides

Remedial Investigation  
Stuart - Oliver - Holtz  
Site No. 8-28-079  
Henrietta, New York

[illegible]

| Parameter           | Units | SOH-6-TB<br>7/12/95 |    | SOH-IW-1R<br>7/12/95 |   | SOH-1W-2R<br>7/12/95 |   | SOH-OW-8S<br>7/1/95 |    | SOH-3-TB<br>7/1/95 |    |
|---------------------|-------|---------------------|----|----------------------|---|----------------------|---|---------------------|----|--------------------|----|
|                     |       | Q                   |    | Q                    |   | Q                    |   | Q                   |    | Q                  |    |
| alpha-BHC           | ug/L  | NA                  | NA | 0.05                 | U | 0.05                 | U | 0.05                | UJ | NA                 | NA |
| beta-BHC            | ug/L  | NA                  | NA | 0.05                 | U | 0.05                 | U | 0.05                | U  | NA                 | NA |
| delta-BHC           | ug/L  | NA                  | NA | 0.05                 | U | 0.05                 | U | 0.05                | UJ | NA                 | NA |
| gamma-BHC [Lindane] | ug/L  | NA                  | NA | 0.05                 | U | 0.05                 | U | 0.05                | U  | NA                 | NA |
| Heptachlor          | ug/L  | NA                  | NA | 0.05                 | U | 0.05                 | U | 0.05                | U  | NA                 | NA |
| Aldrin              | ug/L  | NA                  | NA | 0.05                 | U | 0.05                 | U | 0.05                | U  | NA                 | NA |
| Heptachlor epoxide  | ug/L  | NA                  | NA | 0.05                 | U | 0.05                 | U | 0.05                | U  | NA                 | NA |
| Endosulfan I        | ug/L  | NA                  | NA | 0.05                 | U | 0.05                 | U | 0.05                | U  | NA                 | NA |
| Dieldrin            | ug/L  | NA                  | NA | 0.1                  | U | 0.1                  | U | 0.1                 | U  | NA                 | NA |
| 4,4'-DDE            | ug/L  | NA                  | NA | 0.1                  | U | 0.1                  | U | 0.1                 | U  | NA                 | NA |
| Endrin              | ug/L  | NA                  | NA | 0.1                  | U | 0.1                  | U | 0.1                 | U  | NA                 | NA |
| Endosulfan II       | ug/L  | NA                  | NA | 0.1                  | U | 0.1                  | U | 0.1                 | U  | NA                 | NA |
| 4,4'-DDD            | ug/L  | NA                  | NA | 0.1                  | U | 0.1                  | U | 0.1                 | U  | NA                 | NA |
| Endosulfan sulfate  | ug/L  | NA                  | NA | 0.1                  | U | 0.1                  | U | 0.1                 | U  | NA                 | NA |
| 4,4'-DDT            | ug/L  | NA                  | NA | 0.1                  | U | 0.1                  | U | 0.1                 | UJ | NA                 | NA |
| Methoxychlor        | ug/L  | NA                  | NA | 0.5                  | U | 0.5                  | U | 0.5                 | UJ | NA                 | NA |
| Endrin ketone       | ug/L  | NA                  | NA | 0.1                  | U | 0.1                  | U | 0.1                 | U  | NA                 | NA |
| Endrin aldehyde     | ug/L  | NA                  | NA | 0.1                  | U | 0.1                  | U | 0.1                 | U  | NA                 | NA |
| alpha-Chlordane     | ug/L  | NA                  | NA | 0.05                 | U | 0.05                 | U | 0.05                | U  | NA                 | NA |
| gamma-Chlordane     | ug/L  | NA                  | NA | 0.05                 | U | 0.05                 | U | 0.05                | U  | NA                 | NA |
| Toxaphene           | ug/L  | NA                  | NA | 5                    | U | 5                    | U | 5                   | U  | NA                 | NA |
| Aroclor 1016        | ug/L  | NA                  | NA | 1                    | U | 1                    | U | 1                   | U  | NA                 | NA |
| Aroclor 1221        | ug/L  | NA                  | NA | 2                    | U | 2                    | U | 2                   | U  | NA                 | NA |
| Aroclor 1232        | ug/L  | NA                  | NA | 1                    | U | 1                    | U | 1                   | U  | NA                 | NA |
| Aroclor 1242        | ug/L  | NA                  | NA | 1                    | U | 1                    | U | 1                   | U  | NA                 | NA |
| Aroclor 1248        | ug/L  | NA                  | NA | 1                    | U | 1                    | U | 1                   | U  | NA                 | NA |
| Aroclor 1254        | ug/L  | NA                  | NA | 1                    | U | 1                    | U | 1                   | U  | NA                 | NA |
| Aroclor 1260        | ug/L  | NA                  | NA | 1                    | U | 1                    | U | 1                   | U  | NA                 | NA |

Round 1 Groundwater Sample Test Results  
PCB's/Pesticides

Remedial Investigation  
Stuart - Oliver - Holtz  
Site No. 8-28-079  
Henrietta, New York

| Parameter           | Units | SOH-7-TB<br>7/13/95 |    | SOH-OW-4R<br>7/13/95 |   | SOH-OW-7R<br>7/13/95 |   | SOH-1-DUP2<br>7/13/95 |   | SOH-OW-LS<br>7/13/95 |   |
|---------------------|-------|---------------------|----|----------------------|---|----------------------|---|-----------------------|---|----------------------|---|
|                     |       | Q                   | Q  | Q                    | Q | Q                    | Q | Q                     | Q | Q                    | Q |
| alpha-BHC           | ug/L  | NA                  | NA | 0.05                 | U | 0.05                 | U | 0.05                  | U | 0.05                 | U |
| beta-BHC            | ug/L  | NA                  | NA | 0.05                 | U | 0.05                 | U | 0.05                  | U | 0.05                 | U |
| delta-BHC           | ug/L  | NA                  | NA | 0.05                 | U | 0.05                 | U | 0.05                  | U | 0.05                 | U |
| gamma-BHC [Lindane] | ug/L  | NA                  | NA | 0.05                 | U | 0.05                 | U | 0.05                  | U | 0.05                 | U |
| Heptachlor          | ug/L  | NA                  | NA | 0.05                 | U | 0.05                 | U | 0.05                  | U | 0.05                 | U |
| Aldrin              | ug/L  | NA                  | NA | 0.05                 | U | 0.05                 | U | 0.05                  | U | 0.05                 | U |
| Heptachlor epoxide  | ug/L  | NA                  | NA | 0.05                 | U | 0.05                 | U | 0.05                  | U | 0.05                 | U |
| Endosulfan I        | ug/L  | NA                  | NA | 0.05                 | U | 0.05                 | U | 0.05                  | U | 0.05                 | U |
| Dieldrin            | ug/L  | NA                  | NA | 0.1                  | U | 0.1                  | U | 0.1                   | U | 0.1                  | U |
| 4,4'-DDE            | ug/L  | NA                  | NA | 0.1                  | U | 0.1                  | U | 0.1                   | U | 0.1                  | U |
| Endrin              | ug/L  | NA                  | NA | 0.1                  | U | 0.1                  | U | 0.1                   | U | 0.1                  | U |
| Endosulfan II       | ug/L  | NA                  | NA | 0.1                  | U | 0.1                  | U | 0.1                   | U | 0.1                  | U |
| 4,4'-DDD            | ug/L  | NA                  | NA | 0.1                  | U | 0.1                  | U | 0.1                   | U | 0.1                  | U |
| Endosulfan sulfate  | ug/L  | NA                  | NA | 0.1                  | U | 0.1                  | U | 0.1                   | U | 0.1                  | U |
| 4,4'-DDT            | ug/L  | NA                  | NA | 0.1                  | U | 0.1                  | U | 0.1                   | U | 0.1                  | U |
| Methoxychlor        | ug/L  | NA                  | NA | 0.5                  | U | 0.5                  | U | 0.5                   | U | 0.5                  | U |
| Endrin ketone       | ug/L  | NA                  | NA | 0.1                  | U | 0.1                  | U | 0.1                   | U | 0.1                  | U |
| Endrin aldehyde     | ug/L  | NA                  | NA | 0.1                  | U | 0.1                  | U | 0.1                   | U | 0.1                  | U |
| alpha-Chlordane     | ug/L  | NA                  | NA | 0.05                 | U | 0.05                 | U | 0.05                  | U | 0.05                 | U |
| gamma-Chlordane     | ug/L  | NA                  | NA | 0.05                 | U | 0.05                 | U | 0.05                  | U | 0.05                 | U |
| Toxaphene           | ug/L  | NA                  | NA | 5                    | U | 5                    | U | 5                     | U | 5                    | U |
| Aroclor 1016        | ug/L  | NA                  | NA | 1                    | U | 1                    | U | 1                     | U | 1                    | U |
| Aroclor 1221        | ug/L  | NA                  | NA | 2                    | U | 2                    | U | 2                     | U | 2                    | U |
| Aroclor 1232        | ug/L  | NA                  | NA | 1                    | U | 1                    | U | 1                     | U | 1                    | U |
| Aroclor 1242        | ug/L  | NA                  | NA | 1                    | U | 1                    | U | 1                     | U | 1                    | U |
| Aroclor 1248        | ug/L  | NA                  | NA | 1                    | U | 1                    | U | 1                     | U | 1                    | U |
| Aroclor 1254        | ug/L  | NA                  | NA | 1                    | U | 1                    | U | 1                     | U | 1                    | U |
| Aroclor 1260        | ug/L  | NA                  | NA | 1                    | U | 1                    | U | 1                     | U | 1                    | U |



**Round 2 Groundwater Sample Test Results**

Round 2 Groundwater Sample Test Results  
Volatile Organic Compounds

Remedial Investigation  
Stuart - Olver - Holtz  
Site No. 8-28-079  
Henrietta, New York

| Parameter                   | Units | SOH-OW-9S<br>10/2/95 |    | SOH-OW-10S<br>10/2/95 |    | SOH-OW-11S<br>10/2/95 |    | SOH-B-101-OW<br>10/2/95 |    | SOH-OW-LS<br>10/2/95 |    | SOH-1-TB<br>10/2/95 |    |
|-----------------------------|-------|----------------------|----|-----------------------|----|-----------------------|----|-------------------------|----|----------------------|----|---------------------|----|
|                             |       | Q                    |    | Q                     |    | Q                     |    | Q                       |    | Q                    |    | Q                   |    |
| Chloromethane               | ug/L  | 10                   | U  | 10                    | U  | 50                    | U  | 200                     | U  | 10                   | U  | 10                  | U  |
| Bromomethane                | ug/L  | 10                   | U  | 10                    | U  | 50                    | U  | 200                     | U  | 10                   | U  | 10                  | U  |
| Vinyl chloride              | ug/L  | 10                   | U  | 10                    | U  | 50                    | U  | 200                     | U  | 10                   | U  | 10                  | U  |
| Chloroethane                | ug/L  | 10                   | U  | 10                    | U  | 50                    | U  | 200                     | U  | 10                   | U  | 10                  | U  |
| Methylene chloride          | ug/L  | 10                   | UJ | 10                    | UJ | 50                    | UJ | 200                     | UJ | 10                   | UJ | 3.8                 | JB |
| Acetone                     | ug/L  | 10                   | U  | 10                    | U  | 50                    | U  | 200                     | U  | 10                   | U  | 10                  | U  |
| Carbon disulfide            | ug/L  | 10                   | U  | 10                    | U  | 50                    | U  | 200                     | U  | 10                   | U  | 10                  | U  |
| 1,1-Dichloroethane          | ug/L  | 10                   | U  | 10                    | U  | 43                    | J  | 380                     | J  | 10                   | U  | 10                  | U  |
| 1,1-Dichloroethane          | ug/L  | 10                   | U  | 10                    | U  | 21                    | J  | 200                     | U  | 10                   | U  | 10                  | U  |
| 1,2-Dichloroethane (total)  | ug/L  | 10                   | U  | 10                    | U  | 50                    | U  | 200                     | U  | 10                   | U  | 10                  | U  |
| Chloroform                  | ug/L  | 10                   | U  | 10                    | U  | 50                    | U  | 200                     | U  | 10                   | U  | 10                  | U  |
| 1,2-Dichloroethane          | ug/L  | 10                   | U  | 10                    | U  | 50                    | U  | 200                     | U  | 10                   | U  | 10                  | U  |
| 2-Butanone (MEK)            | ug/L  | 10                   | U  | 10                    | U  | 50                    | U  | 200                     | U  | 10                   | U  | 10                  | U  |
| 1,1,1-Trichloroethane       | ug/L  | 10                   | U  | 10                    | U  | 50                    | U  | 200                     | U  | 10                   | U  | 10                  | U  |
| Carbon tetrachloride        | ug/L  | 10                   | U  | 10                    | U  | 870                   | J  | 2800                    | J  | 10                   | U  | 10                  | U  |
| Bromodichloromethane        | ug/L  | 10                   | U  | 10                    | U  | 50                    | U  | 200                     | U  | 10                   | U  | 10                  | U  |
| 1,2-Dichloropropane         | ug/L  | 10                   | U  | 10                    | U  | 50                    | U  | 200                     | U  | 10                   | U  | 10                  | U  |
| cis-1,3-Dichloropropene     | ug/L  | 10                   | U  | 10                    | U  | 50                    | U  | 200                     | U  | 10                   | U  | 10                  | U  |
| Trichloroethene (TCE)       | ug/L  | 10                   | U  | 10                    | U  | 50                    | U  | 200                     | U  | 10                   | U  | 10                  | U  |
| Dibromochloromethane        | ug/L  | 10                   | U  | 10                    | U  | 50                    | U  | 200                     | U  | 10                   | U  | 10                  | U  |
| 1,1,2-Trichloroethane       | ug/L  | 10                   | U  | 10                    | U  | 50                    | U  | 200                     | U  | 10                   | U  | 10                  | U  |
| Benzene                     | ug/L  | 10                   | U  | 10                    | U  | 50                    | U  | 200                     | U  | 10                   | U  | 10                  | U  |
| trans-1,3-Dichloropropene   | ug/L  | 10                   | U  | 10                    | U  | 50                    | U  | 200                     | U  | 10                   | U  | 10                  | U  |
| Bromoform                   | ug/L  | 10                   | U  | 10                    | U  | 50                    | UJ | 200                     | UJ | 10                   | U  | 10                  | UJ |
| 4-Methyl-2-pentanone (MIBK) | ug/L  | 10                   | U  | 10                    | U  | 50                    | U  | 200                     | U  | 10                   | U  | 10                  | U  |
| 2-Hexanone                  | ug/L  | 10                   | U  | 10                    | U  | 50                    | U  | 200                     | U  | 10                   | U  | 10                  | U  |
| Tetrachloroethene           | ug/L  | 10                   | U  | 10                    | U  | 50                    | UJ | 200                     | UJ | 10                   | U  | 10                  | UJ |
| 1,1,2,2-Tetrachloroethane   | ug/L  | 10                   | U  | 10                    | U  | 50                    | U  | 200                     | U  | 10                   | U  | 10                  | U  |
| Toluene                     | ug/L  | 10                   | U  | 10                    | U  | 50                    | U  | 200                     | U  | 10                   | U  | 10                  | U  |
| Chlorobenzene               | ug/L  | 10                   | U  | 10                    | U  | 50                    | U  | 200                     | U  | 10                   | U  | 10                  | U  |
| Ethylbenzene                | ug/L  | 10                   | U  | 10                    | U  | 50                    | U  | 200                     | U  | 10                   | U  | 10                  | U  |
| Styrene                     | ug/L  | 10                   | U  | 10                    | U  | 50                    | U  | 200                     | U  | 10                   | U  | 10                  | U  |
| Xylenes (total)             | ug/L  | 10                   | U  | 10                    | U  | 50                    | U  | 200                     | U  | 10                   | U  | 10                  | U  |

Round 2 Groundwater Sample Test Results  
Volatile Organic Compounds

Remedial Investigation  
Stuart - Oliver - Holtz  
Site No. 8-28-079  
Henrietta, New York

| Parameter                   | Units | SOH-MW-2<br>10/3/95 |   | SOH-MW-3<br>10/3/95 |   | SOH-MW-5<br>10/3/95 |    | SOH-OW-1S<br>10/3/95 |    | SOH-OW-5S<br>10/3/95 |   | SOH-OW-6S<br>10/3/95 |    |
|-----------------------------|-------|---------------------|---|---------------------|---|---------------------|----|----------------------|----|----------------------|---|----------------------|----|
|                             |       | Q                   |   | Q                   |   | Q                   |    | Q                    |    | Q                    |   | Q                    |    |
| Chloromethane               | ug/L  | 1000                | U | 10                  | U | 250                 | U  | 10                   | U  | 10                   | U | 500                  | U  |
| Bromomethane                | ug/L  | 1000                | U | 10                  | U | 250                 | U  | 10                   | U  | 10                   | U | 500                  | U  |
| Vinyl chloride              | ug/L  | 1000                | U | 3.4                 | J | 980                 | J  | 10                   | U  | 10                   | U | 500                  | U  |
| Chloroethane                | ug/L  | 1000                | U | 10                  | U | 250                 | U  | 10                   | U  | 10                   | U | 500                  | U  |
| Methylene chloride          | ug/L  | 350                 | J | 3.9                 | J | 100                 | J  | 10                   | UJ | 4                    | J | 300                  | J  |
| Acetone                     | ug/L  | 1000                | U | 10                  | U | 250                 | U  | 10                   | U  | 10                   | U | 500                  | U  |
| Carbon disulfide            | ug/L  | 1000                | U | 10                  | U | 250                 | U  | 10                   | U  | 10                   | U | 500                  | U  |
| 1,1-Dichloroethane          | ug/L  | 280                 | J | 19                  | J | 250                 | U  | 10                   | U  | 9.4                  | J | 450                  | J  |
| 1,1-Dichloroethane (total)  | ug/L  | 7800                | J | 110                 | J | 250                 | U  | 10                   | U  | 97                   | J | 1500                 | J  |
| 1,2-Dichloroethane (total)  | ug/L  | 820                 | J | 43                  | J | 4700                | D  | 3.6                  | J  | 39                   | J | 500                  | U  |
| Chloroform                  | ug/L  | 1000                | U | 10                  | U | 250                 | U  | 10                   | U  | 10                   | U | 500                  | U  |
| 1,2-Dichloroethane          | ug/L  | 1000                | U | 10                  | U | 250                 | U  | 10                   | U  | 10                   | U | 500                  | U  |
| 2-Butanone (MEK)            | ug/L  | 1000                | U | 10                  | U | 250                 | U  | 10                   | U  | 10                   | U | 500                  | U  |
| 1,1,1-Trichloroethane       | ug/L  | 3200                | J | 34                  | J | 250                 | U  | 10                   | U  | 3.2                  | J | 14000                | DJ |
| Carbon tetrachloride        | ug/L  | 1000                | U | 10                  | U | 250                 | U  | 10                   | U  | 10                   | U | 500                  | U  |
| Bromodichloromethane        | ug/L  | 1000                | U | 10                  | U | 250                 | U  | 10                   | U  | 10                   | U | 500                  | U  |
| 1,2-Dichloropropane         | ug/L  | 1000                | U | 10                  | U | 250                 | U  | 10                   | U  | 10                   | U | 500                  | U  |
| cis-1,3-Dichloropropene     | ug/L  | 1000                | U | 10                  | U | 250                 | U  | 10                   | U  | 10                   | U | 500                  | U  |
| Trichloroethene (TCE)       | ug/L  | 1000                | U | 2.4                 | J | 1200                | J  | 26                   | J  | 26                   | J | 82                   | J  |
| Dibromochloromethane        | ug/L  | 1000                | U | 10                  | U | 250                 | U  | 10                   | U  | 10                   | U | 500                  | U  |
| 1,1,2-Trichloroethane       | ug/L  | 1000                | U | 10                  | U | 53                  | JN | 10                   | U  | 10                   | U | 500                  | U  |
| Benzene                     | ug/L  | 1000                | U | 10                  | U | 250                 | U  | 10                   | U  | 10                   | U | 500                  | U  |
| trans-1,3-Dichloropropene   | ug/L  | 1000                | U | 10                  | U | 250                 | U  | 10                   | U  | 10                   | U | 500                  | U  |
| Bromoform                   | ug/L  | 1000                | U | 10                  | U | 250                 | U  | 10                   | U  | 10                   | U | 500                  | U  |
| 4-Methyl-2-pentanone (MIBK) | ug/L  | 1000                | U | 10                  | U | 250                 | U  | 10                   | U  | 10                   | U | 500                  | U  |
| 2-Hexanone                  | ug/L  | 1000                | U | 10                  | U | 250                 | U  | 10                   | U  | 10                   | U | 500                  | U  |
| Tetrachloroethene           | ug/L  | 1000                | U | 15                  | J | 4300                | J  | 8.9                  | J  | 10                   | U | 1800                 | J  |
| 1,1,2,2-Tetrachloroethane   | ug/L  | 1000                | U | 10                  | U | 250                 | U  | 10                   | U  | 10                   | U | 500                  | U  |
| Toluene                     | ug/L  | 1000                | U | 10                  | U | 250                 | U  | 10                   | U  | 10                   | U | 500                  | U  |
| Chlorobenzene               | ug/L  | 1000                | U | 10                  | U | 250                 | U  | 10                   | U  | 10                   | U | 500                  | U  |
| Ethylbenzene                | ug/L  | 1000                | U | 10                  | U | 250                 | U  | 10                   | U  | 10                   | U | 500                  | U  |
| Styrene                     | ug/L  | 1000                | U | 10                  | U | 250                 | U  | 10                   | U  | 10                   | U | 500                  | U  |
| Xylenes (total)             | ug/L  | 1000                | U | 10                  | U | 250                 | U  | 10                   | U  | 10                   | U | 500                  | U  |

Round 2 Groundwater Sample Test Results  
Volatile Organic Compounds

Remedial Investigation  
Stuart - Olver - Holtz  
Site No. 8-28-079  
Henrietta, New York

| Parameter                   | Units | SOH-OW-8S<br>10/3/95 |   | SOH-2-DUP1<br>10/3/95 |   | SOH-2-TB<br>10/3/95 |    | SOH-2-EB-1<br>10/3/95 |    | SOH-OW-2S<br>10/4/95 |   | SOH-OW-3S<br>10/4/95 |   |
|-----------------------------|-------|----------------------|---|-----------------------|---|---------------------|----|-----------------------|----|----------------------|---|----------------------|---|
|                             |       | Q                    |   | Q                     |   | Q                   |    | Q                     |    | Q                    |   | Q                    |   |
| Chloromethane               | ug/L  | 10                   | U | 10                    | U | 10                  | U  | 10                    | U  | 10                   | U | 200                  | U |
| Bromomethane                | ug/L  | 10                   | U | 10                    | U | 10                  | U  | 10                    | U  | 10                   | U | 200                  | U |
| Vinyl chloride              | ug/L  | 10                   | U | 10                    | U | 10                  | U  | 10                    | U  | 10                   | U | 1400                 | U |
| Chloroethane                | ug/L  | 10                   | U | 10                    | U | 10                  | U  | 10                    | U  | 10                   | U | 200                  | U |
| Methylene chloride          | ug/L  | 5.9                  | J | 4.2                   | J | 3.3                 | JB | 3.6                   | JB | 10                   | U | 200                  | U |
| Acetone                     | ug/L  | 10                   | U | 10                    | U | 10                  | U  | 10                    | U  | 10                   | U | 200                  | U |
| Carbon disulfide            | ug/L  | 10                   | U | 10                    | U | 10                  | U  | 10                    | U  | 10                   | U | 200                  | U |
| 1,1-Dichloroethane          | ug/L  | 3.6                  | J | 4                     | J | 10                  | U  | 10                    | U  | 10                   | U | 200                  | U |
| 1,1-Dichloroethane (total)  | ug/L  | 130                  | J | 130                   | J | 10                  | U  | 10                    | U  | 10                   | U | 84                   | J |
| 1,2-Dichloroethane          | ug/L  | 3.3                  | J | 3.6                   | J | 10                  | U  | 10                    | U  | 10                   | U | 2800                 | J |
| Chloroform                  | ug/L  | 10                   | U | 10                    | U | 10                  | U  | 10                    | U  | 10                   | U | 200                  | U |
| 1,2-Dichloroethane          | ug/L  | 10                   | U | 10                    | U | 10                  | U  | 10                    | U  | 10                   | U | 200                  | U |
| 2-Butanone (MEK)            | ug/L  | 10                   | U | 10                    | U | 10                  | U  | 10                    | U  | 10                   | U | 200                  | U |
| 1,1,1-Trichloroethane       | ug/L  | 10                   | U | 10                    | U | 10                  | U  | 10                    | U  | 10                   | U | 200                  | U |
| Carbon tetrachloride        | ug/L  | 10                   | U | 10                    | U | 10                  | U  | 10                    | U  | 10                   | U | 200                  | U |
| Bromodichloromethane        | ug/L  | 10                   | U | 10                    | U | 10                  | U  | 10                    | U  | 10                   | U | 200                  | U |
| 1,2-Dichloropropane         | ug/L  | 10                   | U | 10                    | U | 10                  | U  | 10                    | U  | 10                   | U | 200                  | U |
| cis-1,3-Dichloropropene     | ug/L  | 10                   | U | 10                    | U | 10                  | U  | 10                    | U  | 10                   | U | 200                  | U |
| Trichloroethene (TCE)       | ug/L  | 10                   | U | 10                    | U | 10                  | U  | 10                    | U  | 10                   | U | 350                  | U |
| Dibromochloromethane        | ug/L  | 10                   | U | 10                    | U | 10                  | U  | 10                    | U  | 10                   | U | 200                  | U |
| 1,1,2-Trichloroethane       | ug/L  | 10                   | U | 10                    | U | 10                  | U  | 10                    | U  | 10                   | U | 200                  | U |
| Benzene                     | ug/L  | 10                   | U | 10                    | U | 10                  | U  | 10                    | U  | 10                   | U | 200                  | U |
| trans-1,3-Dichloropropene   | ug/L  | 10                   | U | 10                    | U | 10                  | U  | 10                    | U  | 10                   | U | 200                  | U |
| Bromoform                   | ug/L  | 10                   | U | 10                    | U | 10                  | U  | 10                    | U  | 10                   | U | 200                  | U |
| 4-Methyl-2-pentanone (MIBK) | ug/L  | 10                   | U | 10                    | U | 10                  | U  | 10                    | U  | 10                   | U | 200                  | U |
| 2-Hexanone                  | ug/L  | 10                   | U | 10                    | U | 10                  | U  | 10                    | U  | 10                   | U | 200                  | U |
| Tetrachloroethene           | ug/L  | 10                   | U | 10                    | U | 10                  | U  | 10                    | U  | 10                   | U | 640                  | U |
| 1,1,2,2-Tetrachloroethane   | ug/L  | 10                   | U | 10                    | U | 10                  | U  | 10                    | U  | 10                   | U | 200                  | U |
| Toluene                     | ug/L  | 10                   | U | 10                    | U | 10                  | U  | 10                    | U  | 10                   | U | 200                  | U |
| Chlorobenzene               | ug/L  | 10                   | U | 10                    | U | 10                  | U  | 10                    | U  | 10                   | U | 200                  | U |
| Ethylbenzene                | ug/L  | 10                   | U | 10                    | U | 10                  | U  | 10                    | U  | 10                   | U | 200                  | U |
| Styrene                     | ug/L  | 10                   | U | 10                    | U | 10                  | U  | 10                    | U  | 10                   | U | 200                  | U |
| Xylenes (total)             | ug/L  | 10                   | U | 10                    | U | 10                  | U  | 10                    | U  | 10                   | U | 200                  | U |

Round 2 Groundwater Sample Test Results  
Volatile Organic Compounds

Remedial Investigation  
Stuart - Oliver - Holtz  
Site No. 8-28-079  
Henrietta, New York

| Parameter                   | Units | SOH-OW-4S<br>10/4/95 |   | SOH-OW-7S<br>10/4/95 |   | SOH-OW-1R<br>10/4/95 |   | SOH-OW-2R<br>10/4/95 |   | SOH-3-TB<br>10/4/95 |    |
|-----------------------------|-------|----------------------|---|----------------------|---|----------------------|---|----------------------|---|---------------------|----|
|                             |       | Q                    |   | Q                    |   | Q                    |   | Q                    |   | Q                   |    |
| Chloromethane               | ug/L  | 10                   | U | 5000                 | U | 10                   | U | 10                   | U | 10                  | U  |
| Bromomethane                | ug/L  | 10                   | U | 5000                 | U | 10                   | U | 10                   | U | 10                  | U  |
| Vinyl chloride              | ug/L  | 10                   | U | 5000                 | U | 10                   | U | 10                   | U | 10                  | U  |
| Chloroethane                | ug/L  | 10                   | U | 5000                 | U | 10                   | U | 10                   | U | 10                  | U  |
| Methylene chloride          | ug/L  | 10                   | U | 10000                | U | 10                   | U | 10                   | U | 7.4                 | JB |
| Acetone                     | ug/L  | 10                   | U | 5000                 | U | 10                   | U | 10                   | U | 10                  | U  |
| Carbon disulfide            | ug/L  | 10                   | U | 5000                 | U | 10                   | U | 10                   | U | 10                  | U  |
| 1,1-Dichloroethene          | ug/L  | 10                   | U | 5000                 | U | 10                   | U | 10                   | U | 10                  | U  |
| 1,1-Dichloroethane          | ug/L  | 170                  | U | 1000                 | U | 10                   | U | 1.5                  | J | 10                  | U  |
| 1,2-Dichloroethane (total)  | ug/L  | 10                   | U | 9300                 | U | 10                   | U | 5.5                  | J | 10                  | U  |
| Chloroform                  | ug/L  | 10                   | U | 5000                 | U | 10                   | U | 10                   | U | 10                  | U  |
| 1,2-Dichloroethane          | ug/L  | 10                   | U | 5000                 | U | 10                   | U | 10                   | U | 10                  | U  |
| 2-Butanone (MEK)            | ug/L  | 10                   | U | 5000                 | U | 10                   | U | 10                   | U | 10                  | U  |
| 1,1,1-Trichloroethane       | ug/L  | 50                   | U | 5000                 | U | 10                   | U | 10                   | U | 10                  | U  |
| Carbon tetrachloride        | ug/L  | 10                   | U | 5000                 | U | 10                   | U | 10                   | U | 10                  | U  |
| Bromodichloromethane        | ug/L  | 10                   | U | 5000                 | U | 10                   | U | 10                   | U | 10                  | U  |
| 1,2-Dichloropropane         | ug/L  | 10                   | U | 5000                 | U | 10                   | U | 10                   | U | 10                  | U  |
| cis-1,3-Dichloropropene     | ug/L  | 10                   | U | 5000                 | U | 10                   | U | 10                   | U | 10                  | U  |
| Trichloroethene (TCE)       | ug/L  | 10                   | U | 14000                | U | 1.8                  | J | 1.5                  | J | 10                  | U  |
| Dibromochloromethane        | ug/L  | 10                   | U | 5000                 | U | 10                   | U | 10                   | U | 10                  | U  |
| 1,1,2-Trichloroethane       | ug/L  | 10                   | U | 5000                 | U | 10                   | U | 10                   | U | 10                  | U  |
| Benzene                     | ug/L  | 10                   | U | 5000                 | U | 10                   | U | 10                   | U | 10                  | U  |
| trans-1,3-Dichloropropene   | ug/L  | 10                   | U | 5000                 | U | 10                   | U | 10                   | U | 10                  | U  |
| Bromoform                   | ug/L  | 10                   | U | 5000                 | U | 10                   | U | 10                   | U | 10                  | U  |
| 4-Methyl-2-pentanone (MIBK) | ug/L  | 10                   | U | 5000                 | U | 10                   | U | 10                   | U | 10                  | U  |
| 2-Hexanone                  | ug/L  | 10                   | U | 5000                 | U | 10                   | U | 10                   | U | 10                  | U  |
| Tetrachloroethene           | ug/L  | 10                   | U | 5000                 | U | 10                   | U | 10                   | U | 10                  | U  |
| 1,1,2,2-Tetrachloroethane   | ug/L  | 10                   | U | 5000                 | U | 10                   | U | 10                   | U | 10                  | U  |
| Toluene                     | ug/L  | 10                   | U | 5000                 | U | 10                   | U | 10                   | U | 10                  | U  |
| Chlorobenzene               | ug/L  | 10                   | U | 5000                 | U | 10                   | U | 10                   | U | 10                  | U  |
| Ethylbenzene                | ug/L  | 10                   | U | 5000                 | U | 10                   | U | 10                   | U | 10                  | U  |
| Styrene                     | ug/L  | 10                   | U | 5000                 | U | 10                   | U | 10                   | U | 10                  | U  |
| Xylenes (total)             | ug/L  | 10                   | U | 5000                 | U | 10                   | U | 10                   | U | 10                  | U  |

Round 2 Groundwater Sample Test Results  
Volatile Organic Compounds

Remedial Investigation  
Stuart - Oliver - Holtz  
Site No. 8-28-079  
Henrietta, New York

| Parameter                   | Units | SOH-OW-3R |   | SOH-OW-4R |    | SOH-OW-7R |    | SOH-2-DUP2 |    | SOH-EB-2 |   | SOH-4-TB |    |
|-----------------------------|-------|-----------|---|-----------|----|-----------|----|------------|----|----------|---|----------|----|
|                             |       | 10/5/95   | Q | 10/5/95   | Q  | 10/5/95   | Q  | 10/5/95    | Q  | 10/5/95  | Q | 10/5/95  | Q  |
| Chloromethane               | ug/L  | 10        | U | 10        | U  | 10        | U  | 250        | UJ | 10       | U | 10       | UJ |
| Bromomethane                | ug/L  | 10        | U | 10        | U  | 10        | U  | 250        | U  | 10       | U | 10       | U  |
| Vinyl chloride              | ug/L  | 10        | U | 10        | U  | 24        | U  | 250        | UJ | 10       | U | 10       | UJ |
| Chloroethane                | ug/L  | 10        | U | 10        | U  | 21        | U  | 250        | U  | 10       | U | 10       | U  |
| Methylene chloride          | ug/L  | 7         | J | 10        | UJ | 3400      | D  | 2000       | J  | 8        | J | 3.1      | J  |
| Acetone                     | ug/L  | 10        | U | 10        | U  | 100       | U  | 250        | U  | 10       | U | 10       | U  |
| Carbon disulfide            | ug/L  | 8         | J | 10        | U  | 10        | U  | 250        | U  | 10       | U | 10       | U  |
| 1,1-Dichloroethane          | ug/L  | 10        | U | 10        | U  | 130       | U  | 130        | J  | 10       | U | 10       | U  |
| 1,1-Dichloroethane          | ug/L  | 10        | U | 10        | U  | 3100      | D  | 3300       | D  | 10       | U | 10       | U  |
| 1,2-Dichloroethane (total)  | ug/L  | 10        | U | 10        | U  | 6900      | D  | 10000      | D  | 10       | U | 10       | U  |
| Chloroform                  | ug/L  | 10        | U | 10        | U  | 10        | UJ | 250        | U  | 10       | U | 10       | U  |
| 1,2-Dichloroethane          | ug/L  | 10        | U | 10        | U  | 12        | U  | 250        | U  | 10       | U | 10       | U  |
| 2-Butanone (MEK)            | ug/L  | 10        | U | 10        | U  | 10        | U  | 250        | U  | 10       | U | 10       | U  |
| 1,1,1-Trichloroethane       | ug/L  | 10        | U | 10        | U  | 110       | U  | 68         | J  | 10       | U | 10       | U  |
| Carbon tetrachloride        | ug/L  | 10        | U | 10        | U  | 10        | U  | 250        | U  | 10       | U | 10       | U  |
| Bromodichloromethane        | ug/L  | 10        | U | 10        | U  | 10        | U  | 250        | U  | 10       | U | 10       | U  |
| 1,2-Dichloropropane         | ug/L  | 10        | U | 10        | U  | 10        | U  | 250        | U  | 10       | U | 10       | U  |
| cis-1,3-Dichloropropene     | ug/L  | 10        | U | 10        | U  | 10        | U  | 250        | U  | 10       | U | 10       | U  |
| Trichloroethene (TCE)       | ug/L  | 10        | U | 10        | U  | 7100      | D  | 7100       | D  | 10       | U | 10       | U  |
| Dibromochloromethane        | ug/L  | 10        | U | 10        | U  | 10        | U  | 250        | U  | 10       | U | 10       | U  |
| 1,1,2-Trichloroethane       | ug/L  | 10        | U | 10        | U  | 10        | U  | 250        | U  | 10       | U | 10       | U  |
| Benzene                     | ug/L  | 10        | U | 10        | U  | 3         | J  | 250        | U  | 10       | U | 10       | U  |
| trans-1,3-Dichloropropene   | ug/L  | 10        | U | 10        | U  | 10        | U  | 250        | U  | 10       | U | 10       | U  |
| Bromoform                   | ug/L  | 10        | U | 10        | U  | 10        | U  | 250        | U  | 10       | U | 10       | U  |
| 4-Methyl-2-pentanone (MIBK) | ug/L  | 10        | U | 10        | U  | 10        | U  | 250        | U  | 10       | U | 10       | U  |
| 2-Hexanone                  | ug/L  | 10        | U | 10        | U  | 10        | U  | 250        | U  | 10       | U | 10       | U  |
| Tetrachloroethene           | ug/L  | 10        | U | 10        | U  | 4         | J  | 250        | U  | 10       | U | 10       | U  |
| 1,1,2,2-Tetrachloroethane   | ug/L  | 10        | U | 10        | U  | 10        | U  | 250        | U  | 10       | U | 10       | U  |
| Toluene                     | ug/L  | 10        | U | 10        | U  | 8         | J  | 250        | U  | 10       | U | 10       | U  |
| Chlorobenzene               | ug/L  | 10        | U | 10        | U  | 10        | U  | 250        | U  | 10       | U | 10       | U  |
| Ethylbenzene                | ug/L  | 10        | U | 10        | U  | 2         | J  | 250        | U  | 10       | U | 10       | U  |
| Styrene                     | ug/L  | 10        | U | 10        | U  | 10        | U  | 250        | U  | 10       | U | 10       | U  |
| Xylenes (total)             | ug/L  | 10        | U | 10        | U  | 9         | J  | 250        | U  | 10       | U | 10       | U  |

Round 2 Groundwater Sample Test Results  
Volatile Organic Compounds

Remedial Investigation  
Stuart - Olver - Holtz  
Site No. 8-28-079  
Henrietta, New York

| Parameter                   | Units | SOH-IW-1R<br>10/6/95 |    | SOH-IW-2R<br>10/6/95 |    | SOH-S-TB<br>10/6/95 |    |
|-----------------------------|-------|----------------------|----|----------------------|----|---------------------|----|
|                             |       | Q                    | Q  | Q                    | Q  | Q                   | Q  |
| Chloromethane               | ug/L  | 100                  | U  | 10                   | U  | 10                  | U  |
| Bromomethane                | ug/L  | 100                  | U  | 10                   | U  | 10                  | U  |
| Vinyl chloride              | ug/L  | 89                   | J  | 8.8                  | J  | 10                  | U  |
| Chloroethane                | ug/L  | 100                  | U  | 10                   | U  | 10                  | U  |
| Methylene chloride          | ug/L  | 100                  | U  | 10                   | U  | 5.1                 | JB |
| Acetone                     | ug/L  | 100                  | UJ | 10                   | UJ | 10                  | UJ |
| Carbon disulfide            | ug/L  | 100                  | U  | 10                   | U  | 10                  | U  |
| 1,1-Dichloroethene          | ug/L  | 100                  | U  | 5                    | J  | 10                  | U  |
| 1,1,1-Trichloroethane       | ug/L  | 86                   | J  | 28                   |    | 10                  | U  |
| 1,2-Dichloroethane (total)  | ug/L  | 670                  |    | 280                  | D  | 10                  | U  |
| Chloroform                  | ug/L  | 100                  | UJ | 10                   | UJ | 10                  | UJ |
| 1,2-Dichloroethane          | ug/L  | 100                  | UJ | 10                   | UJ | 10                  | UJ |
| 2-Butanone (MEK)            | ug/L  | 100                  | U  | 10                   | U  | 10                  | U  |
| 1,1,1-Trichloroethane       | ug/L  | 100                  | U  | 110                  |    | 10                  | U  |
| Carbon tetrachloride        | ug/L  | 100                  | U  | 10                   | U  | 10                  | U  |
| Bromodichloromethane        | ug/L  | 100                  | U  | 10                   | U  | 10                  | U  |
| 1,2-Dichloropropane         | ug/L  | 100                  | U  | 10                   | U  | 10                  | U  |
| cis-1,3-Dichloropropene     | ug/L  | 100                  | U  | 10                   | U  | 10                  | U  |
| Trichloroethene (TCE)       | ug/L  | 150                  |    | 19                   |    | 10                  | U  |
| Dibromochloromethane        | ug/L  | 100                  | U  | 10                   | U  | 10                  | U  |
| 1,1,2-Trichloroethane       | ug/L  | 100                  | U  | 10                   | U  | 10                  | U  |
| Benzene                     | ug/L  | 100                  | U  | 10                   | U  | 10                  | U  |
| trans-1,3-Dichloropropene   | ug/L  | 100                  | U  | 10                   | U  | 10                  | U  |
| Bromoform                   | ug/L  | 100                  | U  | 10                   | U  | 10                  | U  |
| 4-Methyl-2-pentanone (MIBK) | ug/L  | 100                  | U  | 10                   | U  | 10                  | U  |
| 2-Hexanone                  | ug/L  | 100                  | U  | 10                   | U  | 10                  | U  |
| Tetrachloroethane           | ug/L  | 100                  | U  | 10                   | U  | 10                  | U  |
| 1,1,2,2-Tetrachloroethane   | ug/L  | 100                  | U  | 10                   | U  | 10                  | U  |
| Toluene                     | ug/L  | 100                  | U  | 1.5                  | J  | 10                  | U  |
| Chlorobenzene               | ug/L  | 100                  | U  | 10                   | U  | 10                  | U  |
| Ethylbenzene                | ug/L  | 100                  | U  | 10                   | U  | 10                  | U  |
| Styrene                     | ug/L  | 100                  | U  | 10                   | U  | 10                  | U  |
| Xylenes (total)             | ug/L  | 100                  | U  | 10                   | U  | 10                  | U  |

Round 2 Groundwater Sample Test Results  
Semi-Volatile Organic Compounds

Remedial Investigation  
Stuart - Olver - Holtz  
Site No. 8-28-079  
Henrietta, New York

| Parameter                     | Units | SOH-OW-2S<br>10/4/95 |    | SOH-OW-3S<br>10/4/95 |    | SOH-OW-4S<br>10/4/95 |    | SOH-OW-7S<br>10/4/95 |    | SOH-OW-1R<br>10/4/95 |    | SOH-OW-2R<br>10/4/95 |    |
|-------------------------------|-------|----------------------|----|----------------------|----|----------------------|----|----------------------|----|----------------------|----|----------------------|----|
|                               |       | Q                    |    | Q                    |    | Q                    |    | Q                    |    | Q                    |    | Q                    |    |
| Phenol                        | ug/L  | NA                   | NA | NA                   | NA | NA                   | NA | 10                   | U  | NA                   | NA | NA                   | NA |
| Bis(2-chloroethyl)ether       | ug/L  | NA                   | NA | NA                   | NA | NA                   | NA | 10                   | U  | NA                   | NA | NA                   | NA |
| 2-Chlorophenol                | ug/L  | NA                   | NA | NA                   | NA | NA                   | NA | 10                   | U  | NA                   | NA | NA                   | NA |
| 1,3-Dichlorobenzene           | ug/L  | NA                   | NA | NA                   | NA | NA                   | NA | 10                   | U  | NA                   | NA | NA                   | NA |
| 1,4-Dichlorobenzene           | ug/L  | NA                   | NA | NA                   | NA | NA                   | NA | 10                   | U  | NA                   | NA | NA                   | NA |
| 1,2-Dichlorobenzene           | ug/L  | NA                   | NA | NA                   | NA | NA                   | NA | 10                   | U  | NA                   | NA | NA                   | NA |
| 2-Methylphenol                | ug/L  | NA                   | NA | NA                   | NA | NA                   | NA | 7.9                  | J  | NA                   | NA | NA                   | NA |
| 2,2'-Oxybis (1-chloropropane) | ug/L  | NA                   | NA | NA                   | NA | NA                   | NA | 10                   | U  | NA                   | NA | NA                   | NA |
| 4-Methylphenol                | ug/L  | NA                   | NA | NA                   | NA | NA                   | NA | 1.4                  | JN | NA                   | NA | NA                   | NA |
| N-Nitrosodi-n-propylamine     | ug/L  | NA                   | NA | NA                   | NA | NA                   | NA | 10                   | U  | NA                   | NA | NA                   | NA |
| Hexachloroethane              | ug/L  | NA                   | NA | NA                   | NA | NA                   | NA | 10                   | U  | NA                   | NA | NA                   | NA |
| Nitrobenzene                  | ug/L  | NA                   | NA | NA                   | NA | NA                   | NA | 10                   | U  | NA                   | NA | NA                   | NA |
| Isophorone                    | ug/L  | NA                   | NA | NA                   | NA | NA                   | NA | 19                   | U  | NA                   | NA | NA                   | NA |
| 2-Nitrophenol                 | ug/L  | NA                   | NA | NA                   | NA | NA                   | NA | 10                   | U  | NA                   | NA | NA                   | NA |
| 2,4-Dimethylphenol            | ug/L  | NA                   | NA | NA                   | NA | NA                   | NA | 10                   | U  | NA                   | NA | NA                   | NA |
| Bis(2-chloroethoxy)methane    | ug/L  | NA                   | NA | NA                   | NA | NA                   | NA | 10                   | U  | NA                   | NA | NA                   | NA |
| 2,4-Dichlorophenol            | ug/L  | NA                   | NA | NA                   | NA | NA                   | NA | 10                   | U  | NA                   | NA | NA                   | NA |
| 1,2,4-Trichlorobenzene        | ug/L  | NA                   | NA | NA                   | NA | NA                   | NA | 10                   | U  | NA                   | NA | NA                   | NA |
| Naphthalene                   | ug/L  | NA                   | NA | NA                   | NA | NA                   | NA | 10                   | U  | NA                   | NA | NA                   | NA |
| 4-Chloroaniline               | ug/L  | NA                   | NA | NA                   | NA | NA                   | NA | 10                   | U  | NA                   | NA | NA                   | NA |
| Hexachlorobutadiene           | ug/L  | NA                   | NA | NA                   | NA | NA                   | NA | 10                   | U  | NA                   | NA | NA                   | NA |
| 4-Chloro-3-methylphenol       | ug/L  | NA                   | NA | NA                   | NA | NA                   | NA | 10                   | U  | NA                   | NA | NA                   | NA |
| 2-Methylnaphthalene           | ug/L  | NA                   | NA | NA                   | NA | NA                   | NA | 10                   | U  | NA                   | NA | NA                   | NA |
| Hexachlorocyclopentadiene     | ug/L  | NA                   | NA | NA                   | NA | NA                   | NA | 10                   | U  | NA                   | NA | NA                   | NA |
| 2,4,6-Trichlorophenol         | ug/L  | NA                   | NA | NA                   | NA | NA                   | NA | 10                   | U  | NA                   | NA | NA                   | NA |
| 2,4,5-Trichlorophenol         | ug/L  | NA                   | NA | NA                   | NA | NA                   | NA | 25                   | U  | NA                   | NA | NA                   | NA |
| 2-Chloronaphthalene           | ug/L  | NA                   | NA | NA                   | NA | NA                   | NA | 10                   | U  | NA                   | NA | NA                   | NA |
| 2-Nitroaniline                | ug/L  | NA                   | NA | NA                   | NA | NA                   | NA | 25                   | U  | NA                   | NA | NA                   | NA |
| Dimethyl phthalate            | ug/L  | NA                   | NA | NA                   | NA | NA                   | NA | 0.74                 | J  | NA                   | NA | NA                   | NA |
| Acenaphthylene                | ug/L  | NA                   | NA | NA                   | NA | NA                   | NA | 10                   | U  | NA                   | NA | NA                   | NA |
| 2,6-Dinitrotoluene            | ug/L  | NA                   | NA | NA                   | NA | NA                   | NA | 10                   | U  | NA                   | NA | NA                   | NA |
| 3-Nitroaniline                | ug/L  | NA                   | NA | NA                   | NA | NA                   | NA | 25                   | U  | NA                   | NA | NA                   | NA |
| Acenaphthene                  | ug/L  | NA                   | NA | NA                   | NA | NA                   | NA | 10                   | U  | NA                   | NA | NA                   | NA |
| 2,4-Dinitrophenol             | ug/L  | NA                   | NA | NA                   | NA | NA                   | NA | 25                   | U  | NA                   | NA | NA                   | NA |
| 4-Nitrophenol                 | ug/L  | NA                   | NA | NA                   | NA | NA                   | NA | 25                   | U  | NA                   | NA | NA                   | NA |
| Dibenzofuran                  | ug/L  | NA                   | NA | NA                   | NA | NA                   | NA | 10                   | U  | NA                   | NA | NA                   | NA |
| 2,4-Dinitrotoluene            | ug/L  | NA                   | NA | NA                   | NA | NA                   | NA | 10                   | U  | NA                   | NA | NA                   | NA |
| Diethyl phthalate             | ug/L  | NA                   | NA | NA                   | NA | NA                   | NA | 1.5                  | J  | NA                   | NA | NA                   | NA |
| 4-Chlorophenyl phenyl ether   | ug/L  | NA                   | NA | NA                   | NA | NA                   | NA | 10                   | U  | NA                   | NA | NA                   | NA |



Appendix I  
Round 2 Groundwater Sample Test Results  
Semi-Volatile Organic Compounds

Remedial Investigation  
Stuart - Oliver - Holtz  
Site No. 8-28-079  
Henrietta, New York

| Parameter                  | Units | SOH-OW-2S |    | SOH-OW-3S |    | SOH-OW-4S |    | SOH-OW-7S |   | SOH-OW-1R |    | SOH-OW-2R |    |
|----------------------------|-------|-----------|----|-----------|----|-----------|----|-----------|---|-----------|----|-----------|----|
|                            |       | 10/4/95   | Q  | 10/4/95   | Q  | 10/4/95   | Q  | 10/4/95   | Q | 10/4/95   | Q  | 10/4/95   | Q  |
| Fluorene                   | ug/L  | NA        | NA | NA        | NA | NA        | NA | 10        | U | NA        | NA | NA        | NA |
| 4-Nitroaniline             | ug/L  | NA        | NA | NA        | NA | NA        | NA | 25        | U | NA        | NA | NA        | NA |
| 4,6-Dinitro-2-methylphenol | ug/L  | NA        | NA | NA        | NA | NA        | NA | 25        | U | NA        | NA | NA        | NA |
| N-Nitrosodiphenylamine     | ug/L  | NA        | NA | NA        | NA | NA        | NA | 10        | U | NA        | NA | NA        | NA |
| 4-Bromophenyl phenyl ether | ug/L  | NA        | NA | NA        | NA | NA        | NA | 10        | U | NA        | NA | NA        | NA |
| Hexachlorobenzene          | ug/L  | NA        | NA | NA        | NA | NA        | NA | 10        | U | NA        | NA | NA        | NA |
| Pentachlorophenol          | ug/L  | NA        | NA | NA        | NA | NA        | NA | 25        | U | NA        | NA | NA        | NA |
| Phenanthrene               | ug/L  | NA        | NA | NA        | NA | NA        | NA | 10        | U | NA        | NA | NA        | NA |
| Anthracene                 | ug/L  | NA        | NA | NA        | NA | NA        | NA | 10        | U | NA        | NA | NA        | NA |
| Carbazole                  | ug/L  | NA        | NA | NA        | NA | NA        | NA | 10        | U | NA        | NA | NA        | NA |
| Di-n-butyl phthalate       | ug/L  | NA        | NA | NA        | NA | NA        | NA | 10        | U | NA        | NA | NA        | NA |
| Fluoranthene               | ug/L  | NA        | NA | NA        | NA | NA        | NA | 10        | U | NA        | NA | NA        | NA |
| Pyrene                     | ug/L  | NA        | NA | NA        | NA | NA        | NA | 10        | U | NA        | NA | NA        | NA |
| Butyl benzyl phthalate     | ug/L  | NA        | NA | NA        | NA | NA        | NA | 10        | U | NA        | NA | NA        | NA |
| 3,3'-Dichlorobenzidine     | ug/L  | NA        | NA | NA        | NA | NA        | NA | 10        | U | NA        | NA | NA        | NA |
| Benzo[a]anthracene         | ug/L  | NA        | NA | NA        | NA | NA        | NA | 10        | U | NA        | NA | NA        | NA |
| Chrysene                   | ug/L  | NA        | NA | NA        | NA | NA        | NA | 10        | U | NA        | NA | NA        | NA |
| Bis(2-ethylhexyl)phthalate | ug/L  | NA        | NA | NA        | NA | NA        | NA | 2.4       | J | NA        | NA | NA        | NA |
| Di-n-octyl phthalate       | ug/L  | NA        | NA | NA        | NA | NA        | NA | 10        | U | NA        | NA | NA        | NA |
| Benzo[b]fluoranthene       | ug/L  | NA        | NA | NA        | NA | NA        | NA | 10        | U | NA        | NA | NA        | NA |
| Benzo[k]fluoranthene       | ug/L  | NA        | NA | NA        | NA | NA        | NA | 10        | U | NA        | NA | NA        | NA |
| Benzo[a]pyrene             | ug/L  | NA        | NA | NA        | NA | NA        | NA | 10        | U | NA        | NA | NA        | NA |
| Indeno[1,2,3-cd]pyrene     | ug/L  | NA        | NA | NA        | NA | NA        | NA | 10        | U | NA        | NA | NA        | NA |
| Dibenzo[a,h]anthracene     | ug/L  | NA        | NA | NA        | NA | NA        | NA | 10        | U | NA        | NA | NA        | NA |
| Benzo[g,h,i]perylene       | ug/L  | NA        | NA | NA        | NA | NA        | NA | 10        | U | NA        | NA | NA        | NA |

Round 2 Groundwater Sample Test Results  
Semi-Volatile Organic Compounds

Remedial Investigation  
Stuart - Oliver - Holtz  
Site No. B-28-079  
Henrietta, New York

| Parameter                     | Units | SOH-2-DUP2<br>10/5/95 |    | SOH-EB-2<br>10/5/95 |   | SOH-4-TB<br>10/5/95 |    | SOH-MW-2<br>10/3/95 |    | SOH-MW-3<br>10/3/95 |    | SOH-MW-5<br>10/3/95 |    | SOH-3-TB<br>10/4/95 |    |
|-------------------------------|-------|-----------------------|----|---------------------|---|---------------------|----|---------------------|----|---------------------|----|---------------------|----|---------------------|----|
|                               |       | Q                     |    | Q                   |   | Q                   |    | Q                   |    | Q                   |    | Q                   |    | Q                   |    |
| Phenol                        | ug/L  | NA                    | NA | 10                  | U | NA                  | NA | NA                  | NA | NA                  | NA | NA                  | NA | NA                  | NA |
| Bis(2-chloroethyl)ether       | ug/L  | NA                    | NA | 10                  | U | NA                  | NA | NA                  | NA | NA                  | NA | NA                  | NA | NA                  | NA |
| 2-Chlorophenol                | ug/L  | NA                    | NA | 10                  | U | NA                  | NA | NA                  | NA | NA                  | NA | NA                  | NA | NA                  | NA |
| 1,3-Dichlorobenzene           | ug/L  | NA                    | NA | 10                  | U | NA                  | NA | NA                  | NA | NA                  | NA | NA                  | NA | NA                  | NA |
| 1,4-Dichlorobenzene           | ug/L  | NA                    | NA | 10                  | U | NA                  | NA | NA                  | NA | NA                  | NA | NA                  | NA | NA                  | NA |
| 1,2-Dichlorobenzene           | ug/L  | NA                    | NA | 10                  | U | NA                  | NA | NA                  | NA | NA                  | NA | NA                  | NA | NA                  | NA |
| 2-Methylphenol                | ug/L  | NA                    | NA | 10                  | U | NA                  | NA | NA                  | NA | NA                  | NA | NA                  | NA | NA                  | NA |
| 2,2'-Oxybis (1-chloropropane) | ug/L  | NA                    | NA | 10                  | U | NA                  | NA | NA                  | NA | NA                  | NA | NA                  | NA | NA                  | NA |
| 4-Methylphenol                | ug/L  | NA                    | NA | 10                  | U | NA                  | NA | NA                  | NA | NA                  | NA | NA                  | NA | NA                  | NA |
| N-Nitrosodi-n-propylamine     | ug/L  | NA                    | NA | 10                  | U | NA                  | NA | NA                  | NA | NA                  | NA | NA                  | NA | NA                  | NA |
| Hexachloroethane              | ug/L  | NA                    | NA | 10                  | U | NA                  | NA | NA                  | NA | NA                  | NA | NA                  | NA | NA                  | NA |
| Nitrobenzene                  | ug/L  | NA                    | NA | 10                  | U | NA                  | NA | NA                  | NA | NA                  | NA | NA                  | NA | NA                  | NA |
| Isophorone                    | ug/L  | NA                    | NA | 10                  | U | NA                  | NA | NA                  | NA | NA                  | NA | NA                  | NA | NA                  | NA |
| 2-Nitrophenol                 | ug/L  | NA                    | NA | 10                  | U | NA                  | NA | NA                  | NA | NA                  | NA | NA                  | NA | NA                  | NA |
| 2,4-Dimethylphenol            | ug/L  | NA                    | NA | 10                  | U | NA                  | NA | NA                  | NA | NA                  | NA | NA                  | NA | NA                  | NA |
| Bis(2-chloroethoxy)methane    | ug/L  | NA                    | NA | 10                  | U | NA                  | NA | NA                  | NA | NA                  | NA | NA                  | NA | NA                  | NA |
| 2,4-Dichlorophenol            | ug/L  | NA                    | NA | 10                  | U | NA                  | NA | NA                  | NA | NA                  | NA | NA                  | NA | NA                  | NA |
| 1,2,4-Trichlorophenol         | ug/L  | NA                    | NA | 10                  | U | NA                  | NA | NA                  | NA | NA                  | NA | NA                  | NA | NA                  | NA |
| Naphthalene                   | ug/L  | NA                    | NA | 10                  | U | NA                  | NA | NA                  | NA | NA                  | NA | NA                  | NA | NA                  | NA |
| 4-Chloroaniline               | ug/L  | NA                    | NA | 10                  | U | NA                  | NA | NA                  | NA | NA                  | NA | NA                  | NA | NA                  | NA |
| Hexachlorobutadiene           | ug/L  | NA                    | NA | 10                  | U | NA                  | NA | NA                  | NA | NA                  | NA | NA                  | NA | NA                  | NA |
| 4-Chloro-3-methylphenol       | ug/L  | NA                    | NA | 10                  | U | NA                  | NA | NA                  | NA | NA                  | NA | NA                  | NA | NA                  | NA |
| 2-Methylnaphthalene           | ug/L  | NA                    | NA | 10                  | U | NA                  | NA | NA                  | NA | NA                  | NA | NA                  | NA | NA                  | NA |
| Hexachlorocyclopentadiene     | ug/L  | NA                    | NA | 10                  | U | NA                  | NA | NA                  | NA | NA                  | NA | NA                  | NA | NA                  | NA |
| 2,4,6-Trichlorophenol         | ug/L  | NA                    | NA | 10                  | U | NA                  | NA | NA                  | NA | NA                  | NA | NA                  | NA | NA                  | NA |
| 2,4,5-Trichlorophenol         | ug/L  | NA                    | NA | 25                  | U | NA                  | NA | NA                  | NA | NA                  | NA | NA                  | NA | NA                  | NA |
| 2-Chloronaphthalene           | ug/L  | NA                    | NA | 10                  | U | NA                  | NA | NA                  | NA | NA                  | NA | NA                  | NA | NA                  | NA |
| 2-Nitroaniline                | ug/L  | NA                    | NA | 25                  | U | NA                  | NA | NA                  | NA | NA                  | NA | NA                  | NA | NA                  | NA |
| Dimethyl phthalate            | ug/L  | NA                    | NA | 10                  | U | NA                  | NA | NA                  | NA | NA                  | NA | NA                  | NA | NA                  | NA |
| Acenaphthylene                | ug/L  | NA                    | NA | 10                  | U | NA                  | NA | NA                  | NA | NA                  | NA | NA                  | NA | NA                  | NA |
| 2,6-Dinitrotoluene            | ug/L  | NA                    | NA | 10                  | U | NA                  | NA | NA                  | NA | NA                  | NA | NA                  | NA | NA                  | NA |
| 3-Nitroaniline                | ug/L  | NA                    | NA | 25                  | U | NA                  | NA | NA                  | NA | NA                  | NA | NA                  | NA | NA                  | NA |
| Acenaphthene                  | ug/L  | NA                    | NA | 10                  | U | NA                  | NA | NA                  | NA | NA                  | NA | NA                  | NA | NA                  | NA |
| 2,4-Dinitrophenol             | ug/L  | NA                    | NA | 25                  | U | NA                  | NA | NA                  | NA | NA                  | NA | NA                  | NA | NA                  | NA |
| 4-Nitrophenol                 | ug/L  | NA                    | NA | 25                  | U | NA                  | NA | NA                  | NA | NA                  | NA | NA                  | NA | NA                  | NA |
| Dibenzofuran                  | ug/L  | NA                    | NA | 10                  | U | NA                  | NA | NA                  | NA | NA                  | NA | NA                  | NA | NA                  | NA |
| 2,4-Dinitrotoluene            | ug/L  | NA                    | NA | 10                  | U | NA                  | NA | NA                  | NA | NA                  | NA | NA                  | NA | NA                  | NA |
| Diethyl phthalate             | ug/L  | NA                    | NA | 10                  | U | NA                  | NA | NA                  | NA | NA                  | NA | NA                  | NA | NA                  | NA |
| 4-Chlorophenyl phenyl ether   | ug/L  | NA                    | NA | 10                  | U | NA                  | NA | NA                  | NA | NA                  | NA | NA                  | NA | NA                  | NA |

Appendix I  
Round 2 Groundwater Sample Test Results  
Semi-Volatile Organic Compounds

Remedial Investigation  
Stuart - Olver - Holtz  
Site No. 8-2B-079  
Henrietta, New York

| Parameter                  | Units | SOH-2-DUP2<br>10/5/95 |    | SOH-EB-2<br>10/5/95 |   | SOH-4-TB<br>10/5/95 |    | SOH-MW-2<br>10/3/95 |    | SOH-MW-3<br>10/3/95 |    | SOH-MW-5<br>10/3/95 |    | SOH-3-TB<br>10/4/95 |    |
|----------------------------|-------|-----------------------|----|---------------------|---|---------------------|----|---------------------|----|---------------------|----|---------------------|----|---------------------|----|
|                            |       | Q                     | NA | Q                   | U | Q                   | NA | Q                   | NA | Q                   | NA | Q                   | NA | Q                   | NA |
| Fluorene                   | ug/L  | NA                    | NA | 10                  | U | NA                  | NA | NA                  | NA | NA                  | NA | NA                  | NA | NA                  | NA |
| 4-Nitroaniline             | ug/L  | NA                    | NA | 25                  | U | NA                  | NA | NA                  | NA | NA                  | NA | NA                  | NA | NA                  | NA |
| 4,6-Dinitro-2-methylphenol | ug/L  | NA                    | NA | 25                  | U | NA                  | NA | NA                  | NA | NA                  | NA | NA                  | NA | NA                  | NA |
| N-Nitrosodiphenylamine     | ug/L  | NA                    | NA | 10                  | U | NA                  | NA | NA                  | NA | NA                  | NA | NA                  | NA | NA                  | NA |
| 4-Bromophenyl phenyl ether | ug/L  | NA                    | NA | 10                  | U | NA                  | NA | NA                  | NA | NA                  | NA | NA                  | NA | NA                  | NA |
| Hexachlorobenzene          | ug/L  | NA                    | NA | 10                  | U | NA                  | NA | NA                  | NA | NA                  | NA | NA                  | NA | NA                  | NA |
| Pentachlorophenol          | ug/L  | NA                    | NA | 25                  | U | NA                  | NA | NA                  | NA | NA                  | NA | NA                  | NA | NA                  | NA |
| Phenanthrene               | ug/L  | NA                    | NA | 10                  | U | NA                  | NA | NA                  | NA | NA                  | NA | NA                  | NA | NA                  | NA |
| Anthracene                 | ug/L  | NA                    | NA | 10                  | U | NA                  | NA | NA                  | NA | NA                  | NA | NA                  | NA | NA                  | NA |
| Carbazole                  | ug/L  | NA                    | NA | 10                  | U | NA                  | NA | NA                  | NA | NA                  | NA | NA                  | NA | NA                  | NA |
| Di-n-butyl phthalate       | ug/L  | NA                    | NA | 0.64                | J | NA                  | NA | NA                  | NA | NA                  | NA | NA                  | NA | NA                  | NA |
| Fluoranthene               | ug/L  | NA                    | NA | 10                  | U | NA                  | NA | NA                  | NA | NA                  | NA | NA                  | NA | NA                  | NA |
| Pyrene                     | ug/L  | NA                    | NA | 10                  | U | NA                  | NA | NA                  | NA | NA                  | NA | NA                  | NA | NA                  | NA |
| Butyl benzyl phthalate     | ug/L  | NA                    | NA | 10                  | U | NA                  | NA | NA                  | NA | NA                  | NA | NA                  | NA | NA                  | NA |
| 3,3'-Dichlorobenzidine     | ug/L  | NA                    | NA | 10                  | U | NA                  | NA | NA                  | NA | NA                  | NA | NA                  | NA | NA                  | NA |
| Benzolalanthracene         | ug/L  | NA                    | NA | 10                  | U | NA                  | NA | NA                  | NA | NA                  | NA | NA                  | NA | NA                  | NA |
| Chrysene                   | ug/L  | NA                    | NA | 10                  | U | NA                  | NA | NA                  | NA | NA                  | NA | NA                  | NA | NA                  | NA |
| Bis(2-ethylhexyl)phthalate | ug/L  | NA                    | NA | 0.71                | J | NA                  | NA | NA                  | NA | NA                  | NA | NA                  | NA | NA                  | NA |
| Di-n-octyl phthalate       | ug/L  | NA                    | NA | 10                  | U | NA                  | NA | NA                  | NA | NA                  | NA | NA                  | NA | NA                  | NA |
| Benzobifluoranthene        | ug/L  | NA                    | NA | 10                  | U | NA                  | NA | NA                  | NA | NA                  | NA | NA                  | NA | NA                  | NA |
| Benzokifluoranthene        | ug/L  | NA                    | NA | 10                  | U | NA                  | NA | NA                  | NA | NA                  | NA | NA                  | NA | NA                  | NA |
| Benzolalpyrene             | ug/L  | NA                    | NA | 10                  | U | NA                  | NA | NA                  | NA | NA                  | NA | NA                  | NA | NA                  | NA |
| Indenol 1,2,3-cdpyrene     | ug/L  | NA                    | NA | 10                  | U | NA                  | NA | NA                  | NA | NA                  | NA | NA                  | NA | NA                  | NA |
| Dibenzolanthracene         | ug/L  | NA                    | NA | 10                  | U | NA                  | NA | NA                  | NA | NA                  | NA | NA                  | NA | NA                  | NA |
| Benzolp,h,iperylene        | ug/L  | NA                    | NA | 10                  | U | NA                  | NA | NA                  | NA | NA                  | NA | NA                  | NA | NA                  | NA |

Round 2 Groundwater Sample Test Results  
Semi-Volatile Organic Compounds

Remedial Investigation  
Stuart - Oliver - Holtz  
Site No. 8-28-079  
Henrietta, New York

| Parameter                     | Units | SOH-OW-55<br>10/3/95 |  | SOH-OW-6S<br>10/3/95 |  | SOH-OW-8S<br>10/3/95 |  | SOH-OW-9S<br>10/3/95 |  | SOH-OW-10S<br>10/2/95 |  | SOH-OW-11S<br>10/2/95 |  |
|-------------------------------|-------|----------------------|--|----------------------|--|----------------------|--|----------------------|--|-----------------------|--|-----------------------|--|
|                               |       | Q                    |  | Q                    |  | Q                    |  | Q                    |  | Q                     |  | Q                     |  |
| Phenol                        | ug/L  | NA                   |  | NA                   |  | NA                   |  | NA                   |  | NA                    |  | NA                    |  |
| Bis(2-chloroethyl)ether       | ug/L  | NA                   |  | NA                   |  | NA                   |  | NA                   |  | NA                    |  | NA                    |  |
| 2-Chlorophenol                | ug/L  | NA                   |  | NA                   |  | NA                   |  | NA                   |  | NA                    |  | NA                    |  |
| 1,3-Dichlorobenzene           | ug/L  | NA                   |  | NA                   |  | NA                   |  | NA                   |  | NA                    |  | NA                    |  |
| 1,4-Dichlorobenzene           | ug/L  | NA                   |  | NA                   |  | NA                   |  | NA                   |  | NA                    |  | NA                    |  |
| 1,2-Dichlorobenzene           | ug/L  | NA                   |  | NA                   |  | NA                   |  | NA                   |  | NA                    |  | NA                    |  |
| 2-Methylphenol                | ug/L  | NA                   |  | NA                   |  | NA                   |  | NA                   |  | NA                    |  | NA                    |  |
| 2,2'-Oxybis (1-chloropropane) | ug/L  | NA                   |  | NA                   |  | NA                   |  | NA                   |  | NA                    |  | NA                    |  |
| 4-Methylphenol                | ug/L  | NA                   |  | NA                   |  | NA                   |  | NA                   |  | NA                    |  | NA                    |  |
| N-Nitrosodi-n-propylamine     | ug/L  | NA                   |  | NA                   |  | NA                   |  | NA                   |  | NA                    |  | NA                    |  |
| Hexachloroethane              | ug/L  | NA                   |  | NA                   |  | NA                   |  | NA                   |  | NA                    |  | NA                    |  |
| Nitrobenzene                  | ug/L  | NA                   |  | NA                   |  | NA                   |  | NA                   |  | NA                    |  | NA                    |  |
| Isophorone                    | ug/L  | NA                   |  | NA                   |  | NA                   |  | NA                   |  | NA                    |  | NA                    |  |
| 2-Nitrophenol                 | ug/L  | NA                   |  | NA                   |  | NA                   |  | NA                   |  | NA                    |  | NA                    |  |
| 2,4-Dimethylphenol            | ug/L  | NA                   |  | NA                   |  | NA                   |  | NA                   |  | NA                    |  | NA                    |  |
| Bis(2-chloroethoxy)methane    | ug/L  | NA                   |  | NA                   |  | NA                   |  | NA                   |  | NA                    |  | NA                    |  |
| 2,4-Dichlorophenol            | ug/L  | NA                   |  | NA                   |  | NA                   |  | NA                   |  | NA                    |  | NA                    |  |
| 1,2,4-Trichlorobenzene        | ug/L  | NA                   |  | NA                   |  | NA                   |  | NA                   |  | NA                    |  | NA                    |  |
| Naphthalene                   | ug/L  | NA                   |  | NA                   |  | NA                   |  | NA                   |  | NA                    |  | NA                    |  |
| 4-Chloroaniline               | ug/L  | NA                   |  | NA                   |  | NA                   |  | NA                   |  | NA                    |  | NA                    |  |
| Hexachlorobutadiene           | ug/L  | NA                   |  | NA                   |  | NA                   |  | NA                   |  | NA                    |  | NA                    |  |
| 4-Chloro-3-methylphenol       | ug/L  | NA                   |  | NA                   |  | NA                   |  | NA                   |  | NA                    |  | NA                    |  |
| 2-Methylnaphthalene           | ug/L  | NA                   |  | NA                   |  | NA                   |  | NA                   |  | NA                    |  | NA                    |  |
| Hexachlorocyclopentadiene     | ug/L  | NA                   |  | NA                   |  | NA                   |  | NA                   |  | NA                    |  | NA                    |  |
| 2,4,6-Trichlorophenol         | ug/L  | NA                   |  | NA                   |  | NA                   |  | NA                   |  | NA                    |  | NA                    |  |
| 2,4,5-Trichlorophenol         | ug/L  | NA                   |  | NA                   |  | NA                   |  | NA                   |  | NA                    |  | NA                    |  |
| 2-Chloronaphthalene           | ug/L  | NA                   |  | NA                   |  | NA                   |  | NA                   |  | NA                    |  | NA                    |  |
| 2-Nitroaniline                | ug/L  | NA                   |  | NA                   |  | NA                   |  | NA                   |  | NA                    |  | NA                    |  |
| Dimethyl phthalate            | ug/L  | NA                   |  | NA                   |  | NA                   |  | NA                   |  | NA                    |  | NA                    |  |
| Acenaphthylene                | ug/L  | NA                   |  | NA                   |  | NA                   |  | NA                   |  | NA                    |  | NA                    |  |
| 2,6-Dinitrotoluene            | ug/L  | NA                   |  | NA                   |  | NA                   |  | NA                   |  | NA                    |  | NA                    |  |
| 3-Nitroaniline                | ug/L  | NA                   |  | NA                   |  | NA                   |  | NA                   |  | NA                    |  | NA                    |  |
| Acenaphthene                  | ug/L  | NA                   |  | NA                   |  | NA                   |  | NA                   |  | NA                    |  | NA                    |  |
| 2,4-Dinitrophenol             | ug/L  | NA                   |  | NA                   |  | NA                   |  | NA                   |  | NA                    |  | NA                    |  |
| 4-Nitrophenol                 | ug/L  | NA                   |  | NA                   |  | NA                   |  | NA                   |  | NA                    |  | NA                    |  |
| Dibenzofuran                  | ug/L  | NA                   |  | NA                   |  | NA                   |  | NA                   |  | NA                    |  | NA                    |  |
| 2,4-Dinitrotoluene            | ug/L  | NA                   |  | NA                   |  | NA                   |  | NA                   |  | NA                    |  | NA                    |  |
| Diethyl phthalate             | ug/L  | NA                   |  | NA                   |  | NA                   |  | NA                   |  | NA                    |  | NA                    |  |
| 4-Chlorophenyl phenyl ether   | ug/L  | NA                   |  | NA                   |  | NA                   |  | NA                   |  | NA                    |  | NA                    |  |

Appendix 1  
Round 2 Groundwater Sample Test Results  
Semi-Volatile Organic Compounds

Remedial Investigation  
Stuart - Oliver - Holtz  
Site No. B-28-079  
Henriette, New York

| Parameter                  | Units | SOH-OW-5S |    | SOH-OW-6S |    | SOH-OW-8S |    | SOH-OW-9S |    | SOH-OW-10S |    | SOH-OW-11S |    |
|----------------------------|-------|-----------|----|-----------|----|-----------|----|-----------|----|------------|----|------------|----|
|                            |       | 10/3/95   |    | 10/3/95   |    | 10/3/95   |    | 10/3/95   |    | 10/2/95    |    | 10/2/95    |    |
| Fluorene                   | ug/L  | NA        | NA | NA        | NA | NA        | NA | NA        | NA | NA         | NA | NA         | NA |
| 4-Nitroaniline             | ug/L  | NA        | NA | NA        | NA | NA        | NA | NA        | NA | NA         | NA | NA         | NA |
| 4,6-Dinitro-2-methylphenol | ug/L  | NA        | NA | NA        | NA | NA        | NA | NA        | NA | NA         | NA | NA         | NA |
| N-Nitrosodiphenylamine     | ug/L  | NA        | NA | NA        | NA | NA        | NA | NA        | NA | NA         | NA | NA         | NA |
| 4-Bromophenyl phenyl ether | ug/L  | NA        | NA | NA        | NA | NA        | NA | NA        | NA | NA         | NA | NA         | NA |
| Hexachlorobenzene          | ug/L  | NA        | NA | NA        | NA | NA        | NA | NA        | NA | NA         | NA | NA         | NA |
| Pentachlorophenol          | ug/L  | NA        | NA | NA        | NA | NA        | NA | NA        | NA | NA         | NA | NA         | NA |
| Phenanthrene               | ug/L  | NA        | NA | NA        | NA | NA        | NA | NA        | NA | NA         | NA | NA         | NA |
| Anthracene                 | ug/L  | NA        | NA | NA        | NA | NA        | NA | NA        | NA | NA         | NA | NA         | NA |
| Carbazole                  | ug/L  | NA        | NA | NA        | NA | NA        | NA | NA        | NA | NA         | NA | NA         | NA |
| Di-n-butyl phthalate       | ug/L  | NA        | NA | NA        | NA | NA        | NA | NA        | NA | NA         | NA | NA         | NA |
| Fluoranthene               | ug/L  | NA        | NA | NA        | NA | NA        | NA | NA        | NA | NA         | NA | NA         | NA |
| Pyrene                     | ug/L  | NA        | NA | NA        | NA | NA        | NA | NA        | NA | NA         | NA | NA         | NA |
| Butyl benzyl phthalate     | ug/L  | NA        | NA | NA        | NA | NA        | NA | NA        | NA | NA         | NA | NA         | NA |
| 3,3'-Dichlorobenzidine     | ug/L  | NA        | NA | NA        | NA | NA        | NA | NA        | NA | NA         | NA | NA         | NA |
| Benzolalanthracene         | ug/L  | NA        | NA | NA        | NA | NA        | NA | NA        | NA | NA         | NA | NA         | NA |
| Chrysene                   | ug/L  | NA        | NA | NA        | NA | NA        | NA | NA        | NA | NA         | NA | NA         | NA |
| Bis(2-ethylhexyl)phthalate | ug/L  | NA        | NA | NA        | NA | NA        | NA | NA        | NA | NA         | NA | NA         | NA |
| Di-n-octyl phthalate       | ug/L  | NA        | NA | NA        | NA | NA        | NA | NA        | NA | NA         | NA | NA         | NA |
| Benzobifluoranthene        | ug/L  | NA        | NA | NA        | NA | NA        | NA | NA        | NA | NA         | NA | NA         | NA |
| Benzokifluoranthene        | ug/L  | NA        | NA | NA        | NA | NA        | NA | NA        | NA | NA         | NA | NA         | NA |
| Benzofluoranthene          | ug/L  | NA        | NA | NA        | NA | NA        | NA | NA        | NA | NA         | NA | NA         | NA |
| Benzo[a]pyrene             | ug/L  | NA        | NA | NA        | NA | NA        | NA | NA        | NA | NA         | NA | NA         | NA |
| Indeno[1,2,3-cd]pyrene     | ug/L  | NA        | NA | NA        | NA | NA        | NA | NA        | NA | NA         | NA | NA         | NA |
| Dibenzofluoranthene        | ug/L  | NA        | NA | NA        | NA | NA        | NA | NA        | NA | NA         | NA | NA         | NA |
| Benzofluoranthene          | ug/L  | NA        | NA | NA        | NA | NA        | NA | NA        | NA | NA         | NA | NA         | NA |

Round 2 Groundwater Sample Test Results  
Semi-Volatile Organic Compounds

Remedial Investigation  
Stuart - Oliver - Holtz  
Site No. 8-28-079  
Henrietta, New York

| Parameter                     | Units | SOH-B-101-OW<br>10/2/95 |    | SOH-OW-LS<br>10/2/95 |    | SOH-IW-1R<br>10/6/95 |    | SOH-IW-2R<br>10/6/95 |    | SOH-OW-3R<br>10/5/95 |    | SOH-OW-4R<br>10/5/95 |    | SOH-OW-7R<br>10/5/95 |   |
|-------------------------------|-------|-------------------------|----|----------------------|----|----------------------|----|----------------------|----|----------------------|----|----------------------|----|----------------------|---|
|                               |       | Q                       |    | Q                    |    | Q                    |    | Q                    |    | Q                    |    | Q                    |    | Q                    |   |
| Phenol                        | ug/L  | NA                      | NA | NA                   | NA | NA                   | NA | NA                   | NA | NA                   | NA | NA                   | NA | 10                   | U |
| Bis(2-chloroethyl)ether       | ug/L  | NA                      | NA | NA                   | NA | NA                   | NA | NA                   | NA | NA                   | NA | NA                   | NA | 10                   | U |
| 2-Chlorophenol                | ug/L  | NA                      | NA | NA                   | NA | NA                   | NA | NA                   | NA | NA                   | NA | NA                   | NA | 10                   | U |
| 1,3-Dichlorobenzene           | ug/L  | NA                      | NA | NA                   | NA | NA                   | NA | NA                   | NA | NA                   | NA | NA                   | NA | 10                   | U |
| 1,4-Dichlorobenzene           | ug/L  | NA                      | NA | NA                   | NA | NA                   | NA | NA                   | NA | NA                   | NA | NA                   | NA | 10                   | U |
| 1,2-Dichlorobenzene           | ug/L  | NA                      | NA | NA                   | NA | NA                   | NA | NA                   | NA | NA                   | NA | NA                   | NA | 10                   | U |
| 2-Methylphenol                | ug/L  | NA                      | NA | NA                   | NA | NA                   | NA | NA                   | NA | NA                   | NA | NA                   | NA | 1.4                  | J |
| 2,2'-Oxybis (1-chloropropane) | ug/L  | NA                      | NA | NA                   | NA | NA                   | NA | NA                   | NA | NA                   | NA | NA                   | NA | 10                   | U |
| 4-Methylphenol                | ug/L  | NA                      | NA | NA                   | NA | NA                   | NA | NA                   | NA | NA                   | NA | NA                   | NA | 0.83                 | J |
| N-Nitrosodi-n-propylamine     | ug/L  | NA                      | NA | NA                   | NA | NA                   | NA | NA                   | NA | NA                   | NA | NA                   | NA | 10                   | U |
| Hexachloroethane              | ug/L  | NA                      | NA | NA                   | NA | NA                   | NA | NA                   | NA | NA                   | NA | NA                   | NA | 10                   | U |
| Nitrobenzene                  | ug/L  | NA                      | NA | NA                   | NA | NA                   | NA | NA                   | NA | NA                   | NA | NA                   | NA | 10                   | U |
| Isophorone                    | ug/L  | NA                      | NA | NA                   | NA | NA                   | NA | NA                   | NA | NA                   | NA | NA                   | NA | 2.7                  | J |
| 2-Nitrophenol                 | ug/L  | NA                      | NA | NA                   | NA | NA                   | NA | NA                   | NA | NA                   | NA | NA                   | NA | 10                   | U |
| 2,4-Dimethylphenol            | ug/L  | NA                      | NA | NA                   | NA | NA                   | NA | NA                   | NA | NA                   | NA | NA                   | NA | 10                   | U |
| Bis(2-chloroethoxy)methane    | ug/L  | NA                      | NA | NA                   | NA | NA                   | NA | NA                   | NA | NA                   | NA | NA                   | NA | 10                   | U |
| 2,4-Dichlorophenol            | ug/L  | NA                      | NA | NA                   | NA | NA                   | NA | NA                   | NA | NA                   | NA | NA                   | NA | 10                   | U |
| 1,2,4-Trichlorobenzene        | ug/L  | NA                      | NA | NA                   | NA | NA                   | NA | NA                   | NA | NA                   | NA | NA                   | NA | 10                   | U |
| Naphthalene                   | ug/L  | NA                      | NA | NA                   | NA | NA                   | NA | NA                   | NA | NA                   | NA | NA                   | NA | 10                   | U |
| 4-Chloroaniline               | ug/L  | NA                      | NA | NA                   | NA | NA                   | NA | NA                   | NA | NA                   | NA | NA                   | NA | 10                   | U |
| Hexachlorobutadiene           | ug/L  | NA                      | NA | NA                   | NA | NA                   | NA | NA                   | NA | NA                   | NA | NA                   | NA | 10                   | U |
| 4-Chloro-3-methylphenol       | ug/L  | NA                      | NA | NA                   | NA | NA                   | NA | NA                   | NA | NA                   | NA | NA                   | NA | 10                   | U |
| 2-Methylnaphthalene           | ug/L  | NA                      | NA | NA                   | NA | NA                   | NA | NA                   | NA | NA                   | NA | NA                   | NA | 10                   | U |
| Hexachlorocyclopentadiene     | ug/L  | NA                      | NA | NA                   | NA | NA                   | NA | NA                   | NA | NA                   | NA | NA                   | NA | 10                   | U |
| 2,4,6-Trichlorophenol         | ug/L  | NA                      | NA | NA                   | NA | NA                   | NA | NA                   | NA | NA                   | NA | NA                   | NA | 10                   | U |
| 2,4,5-Trichlorophenol         | ug/L  | NA                      | NA | NA                   | NA | NA                   | NA | NA                   | NA | NA                   | NA | NA                   | NA | 25                   | U |
| 2-Chloronaphthalene           | ug/L  | NA                      | NA | NA                   | NA | NA                   | NA | NA                   | NA | NA                   | NA | NA                   | NA | 10                   | U |
| 2-Nitroaniline                | ug/L  | NA                      | NA | NA                   | NA | NA                   | NA | NA                   | NA | NA                   | NA | NA                   | NA | 25                   | U |
| Dimethyl phthalate            | ug/L  | NA                      | NA | NA                   | NA | NA                   | NA | NA                   | NA | NA                   | NA | NA                   | NA | 10                   | U |
| Acenaphthylene                | ug/L  | NA                      | NA | NA                   | NA | NA                   | NA | NA                   | NA | NA                   | NA | NA                   | NA | 10                   | U |
| 2,6-Dinitrotoluene            | ug/L  | NA                      | NA | NA                   | NA | NA                   | NA | NA                   | NA | NA                   | NA | NA                   | NA | 10                   | U |
| 3-Nitroaniline                | ug/L  | NA                      | NA | NA                   | NA | NA                   | NA | NA                   | NA | NA                   | NA | NA                   | NA | 25                   | U |
| Acenaphthene                  | ug/L  | NA                      | NA | NA                   | NA | NA                   | NA | NA                   | NA | NA                   | NA | NA                   | NA | 10                   | U |
| 2,4-Dinitrophenol             | ug/L  | NA                      | NA | NA                   | NA | NA                   | NA | NA                   | NA | NA                   | NA | NA                   | NA | 25                   | U |
| Dibenzofuran                  | ug/L  | NA                      | NA | NA                   | NA | NA                   | NA | NA                   | NA | NA                   | NA | NA                   | NA | 10                   | U |
| 2,4-Dinitrotoluene            | ug/L  | NA                      | NA | NA                   | NA | NA                   | NA | NA                   | NA | NA                   | NA | NA                   | NA | 10                   | U |
| Diethyl phthalate             | ug/L  | NA                      | NA | NA                   | NA | NA                   | NA | NA                   | NA | NA                   | NA | NA                   | NA | 10                   | U |
| 4-Chlorophenyl phenyl ether   | ug/L  | NA                      | NA | NA                   | NA | NA                   | NA | NA                   | NA | NA                   | NA | NA                   | NA | 10                   | U |

Appendix I  
Round 2 Groundwater Sample Test Results  
Semi-Volatile Organic Compounds

Remedial Investigation  
Stuart - Oliver - Holtz  
Site No. 8-28-079  
Henrietta, New York

| Parameter                  | Units | SOH-B-101-OW<br>10/2/95 |    | SOH-OW-LS<br>10/2/95 |    | SOH-IW-1R<br>10/6/95 |    | SOH-IW-2R<br>10/6/95 |    | SOH-OW-3R<br>10/5/95 |    | SOH-OW-4R<br>10/5/95 |    | SOH-OW-7R<br>10/5/95 |    |
|----------------------------|-------|-------------------------|----|----------------------|----|----------------------|----|----------------------|----|----------------------|----|----------------------|----|----------------------|----|
|                            |       | Q                       | NA | Q                    | NA | Q                    | NA | Q                    | NA | Q                    | NA | Q                    | NA | Q                    | NA |
| Fluorene                   | ug/L  | NA                      | NA | NA                   | NA | NA                   | NA | NA                   | NA | NA                   | NA | NA                   | NA | 10                   | U  |
| 4-Nitroaniline             | ug/L  | NA                      | NA | NA                   | NA | NA                   | NA | NA                   | NA | NA                   | NA | NA                   | NA | 25                   | U  |
| 4,6-Dinitro-2-methylphenol | ug/L  | NA                      | NA | NA                   | NA | NA                   | NA | NA                   | NA | NA                   | NA | NA                   | NA | 25                   | U  |
| N-Nitrosodiphenylamine     | ug/L  | NA                      | NA | NA                   | NA | NA                   | NA | NA                   | NA | NA                   | NA | NA                   | NA | 10                   | U  |
| 4-Bromophenyl phenyl ether | ug/L  | NA                      | NA | NA                   | NA | NA                   | NA | NA                   | NA | NA                   | NA | NA                   | NA | 10                   | U  |
| Hexachlorobenzene          | ug/L  | NA                      | NA | NA                   | NA | NA                   | NA | NA                   | NA | NA                   | NA | NA                   | NA | 10                   | U  |
| Pentachlorophenol          | ug/L  | NA                      | NA | NA                   | NA | NA                   | NA | NA                   | NA | NA                   | NA | NA                   | NA | 25                   | U  |
| Phenanthrene               | ug/L  | NA                      | NA | NA                   | NA | NA                   | NA | NA                   | NA | NA                   | NA | NA                   | NA | 10                   | U  |
| Anthracene                 | ug/L  | NA                      | NA | NA                   | NA | NA                   | NA | NA                   | NA | NA                   | NA | NA                   | NA | 10                   | U  |
| Carbazole                  | ug/L  | NA                      | NA | NA                   | NA | NA                   | NA | NA                   | NA | NA                   | NA | NA                   | NA | 10                   | U  |
| Di-n-butyl phthalate       | ug/L  | NA                      | NA | NA                   | NA | NA                   | NA | NA                   | NA | NA                   | NA | NA                   | NA | 0.96                 | J  |
| Fluoranthene               | ug/L  | NA                      | NA | NA                   | NA | NA                   | NA | NA                   | NA | NA                   | NA | NA                   | NA | 10                   | U  |
| Pyrene                     | ug/L  | NA                      | NA | NA                   | NA | NA                   | NA | NA                   | NA | NA                   | NA | NA                   | NA | 10                   | U  |
| Butyl benzyl phthalate     | ug/L  | NA                      | NA | NA                   | NA | NA                   | NA | NA                   | NA | NA                   | NA | NA                   | NA | 10                   | U  |
| 3,3'-Dichlorobenzidine     | ug/L  | NA                      | NA | NA                   | NA | NA                   | NA | NA                   | NA | NA                   | NA | NA                   | NA | 10                   | U  |
| Benzofluranthene           | ug/L  | NA                      | NA | NA                   | NA | NA                   | NA | NA                   | NA | NA                   | NA | NA                   | NA | 10                   | U  |
| Chrysene                   | ug/L  | NA                      | NA | NA                   | NA | NA                   | NA | NA                   | NA | NA                   | NA | NA                   | NA | 10                   | U  |
| Bis(2-ethylhexyl)phthalate | ug/L  | NA                      | NA | NA                   | NA | NA                   | NA | NA                   | NA | NA                   | NA | NA                   | NA | 2.7                  | J  |
| Di-n-octyl phthalate       | ug/L  | NA                      | NA | NA                   | NA | NA                   | NA | NA                   | NA | NA                   | NA | NA                   | NA | 10                   | U  |
| Benzofluoranthene          | ug/L  | NA                      | NA | NA                   | NA | NA                   | NA | NA                   | NA | NA                   | NA | NA                   | NA | 10                   | U  |
| Benzofluoranthene          | ug/L  | NA                      | NA | NA                   | NA | NA                   | NA | NA                   | NA | NA                   | NA | NA                   | NA | 10                   | U  |
| Benzofluoranthene          | ug/L  | NA                      | NA | NA                   | NA | NA                   | NA | NA                   | NA | NA                   | NA | NA                   | NA | 10                   | U  |
| Indeno[1,2,3-cd]pyrene     | ug/L  | NA                      | NA | NA                   | NA | NA                   | NA | NA                   | NA | NA                   | NA | NA                   | NA | 10                   | U  |
| Dibenzofluoranthene        | ug/L  | NA                      | NA | NA                   | NA | NA                   | NA | NA                   | NA | NA                   | NA | NA                   | NA | 10                   | U  |
| Benzofluoranthene          | ug/L  | NA                      | NA | NA                   | NA | NA                   | NA | NA                   | NA | NA                   | NA | NA                   | NA | 10                   | U  |

Round 2 Groundwater Sample Test Results  
Metals

Remedial Investigation  
Stuart - Olver - Holtz  
Site No. 8-28-079  
Henrietta, New York

| Parameter | Units | SOH-OW-2S<br>10/4/95 |   | SOH-OW-3S<br>10/4/95 |   | SOH-OW-4S<br>10/4/95 |   | SOH-OW-7S<br>10/4/95 |    | SOH-OW-1R<br>10/4/95 |   | SOH-OW-2R<br>10/4/95 |   |
|-----------|-------|----------------------|---|----------------------|---|----------------------|---|----------------------|----|----------------------|---|----------------------|---|
|           |       | Q                    | U | Q                    | U | Q                    | U | Q                    | U  | Q                    | U | Q                    | U |
| Arsenic   | ug/L  | 3                    | U | 3                    | U | 10.8                 | J | 4.6                  | BJ | 11.6                 | U | 3                    | U |
| Barium    | ug/L  | 78.8                 | B | 38.7                 | B | 79.6                 | B | 78.9                 | B  | 72.4                 | B | 47.8                 | B |
| Cadmium   | ug/L  | 2                    | U | 2                    | U | 2.4                  | B | 2                    | U  | 2                    | U | 3.2                  | B |
| Chromium  | ug/L  | 2                    | U | 2                    | U | 2                    | U | 2                    | B  | 8.3                  | B | 44.7                 | B |
| Copper    | ug/L  | 2                    | U | 2                    | U | 2                    | U | 3.7                  | B  | 7                    | B | 10.3                 | B |
| Lead      | ug/L  | 2.7                  | B | 1.2                  | B | 1                    | U | 1                    | U  | 9.3                  | U | 3.6                  | U |
| Mercury   | ug/L  | 0.2                  | U | 0.2                  | U | 0.2                  | U | 0.2                  | U  | 0.2                  | U | 0.2                  | U |
| Nickel    | ug/L  | 8                    | U | 8                    | U | 86.5                 | U | 8                    | U  | 19.5                 | B | 23.7                 | B |
| Selenium  | ug/L  | 3                    | U | 3                    | U | 3                    | U | 3                    | U  | 3                    | U | 3                    | U |
| Silver    | ug/L  | 1                    | U | 1                    | U | 1                    | U | 1.5                  | B  | 1                    | U | 1                    | U |
| Zinc      | ug/L  | 13.5                 | B | 10.5                 | B | 10.3                 | B | 48.3                 | B  | 29.5                 | B | 38.8                 | B |



Round 2 Groundwater Sample Test Results  
Metals

Remedial Investigation  
Stuart - Olyer - Holtz  
Site No. 8-28-079  
Henrietta, New York

| Parameter | Units | SOH-OW-9S<br>10/2/95 |    | SOH-OW-10S<br>10/2/95 |    | SOH-OW-11S<br>10/2/95 |    | SOH-B-101-OW<br>10/2/95 |    | SOH-OW-LS<br>10/2/95 |    | SOH-1-TB<br>10/2/95 |    |
|-----------|-------|----------------------|----|-----------------------|----|-----------------------|----|-------------------------|----|----------------------|----|---------------------|----|
|           |       | Q                    | Q  | Q                     | Q  | Q                     | Q  | Q                       | Q  | Q                    | Q  | Q                   | Q  |
| Arsenic   | ug/L  | 3.7                  | BJ | 3                     | U  | 4.5                   | BJ | 3                       | U  | 3                    | U  | NA                  | NA |
| Barium    | ug/L  | 88.9                 | BE | 145                   | BE | 147                   | BE | 164                     | BE | 158                  | BE | NA                  | NA |
| Cadmium   | ug/L  | 2                    | U  | 2                     | U  | 2                     | U  | 2.1                     | B  | 2                    | U  | NA                  | NA |
| Chromium  | ug/L  | 2                    | U  | 10                    | U  | 5.4                   | B  | 2                       | U  | 9.5                  | B  | NA                  | NA |
| Copper    | ug/L  | 2                    | U  | 5.3                   | B  | 10.2                  | B  | 3                       | B  | 50.6                 | S  | NA                  | NA |
| Lead      | ug/L  | 1                    | U  | 1                     | U  | 3.2                   | U  | 16.9                    | U  | 61.8                 | S  | NA                  | NA |
| Mercury   | ug/L  | 0.2                  | U  | 0.2                   | U  | 0.23                  | U  | 0.2                     | U  | 0.2                  | U  | NA                  | NA |
| Nickel    | ug/L  | 8                    | U  | 144                   | U  | 48.8                  | U  | 8                       | U  | 17.4                 | B  | NA                  | NA |
| Selenium  | ug/L  |                      | R  | 3                     | UJ | 3                     | UJ | 3                       | UJ | 3                    | UJ | NA                  | NA |
| Silver    | ug/L  | 1                    | U  | 1                     | U  | 1                     | U  | 1                       | U  | 1                    | U  | NA                  | NA |
| Zinc      | ug/L  | 30.8                 |    | 25.6                  |    | 38.2                  |    | 23.2                    |    | 168                  |    | NA                  | NA |

Round 2 Groundwater Sample Test Results  
Metals

Remedial Investigation  
Stuart - Oliver - Holtz  
Site No. 8-28-079  
Henrietta, New York

| Parameter | Units | SOH-MW-2<br>10/3/95 |    | SOH-MW-3<br>10/3/95 |    | SOH-MW-5<br>10/3/95 |    | SOH-OW-1S<br>10/3/95 |    | SOH-OW-5S<br>10/3/95 |    | SOH-OW-6S<br>10/3/95 |    |
|-----------|-------|---------------------|----|---------------------|----|---------------------|----|----------------------|----|----------------------|----|----------------------|----|
|           |       | Q                   |    | Q                   |    | Q                   |    | Q                    |    | Q                    |    | Q                    |    |
| Arsenic   | ug/L  | 3                   | U  | 3.6                 | B  | 3                   | U  | 3                    | U  | 3                    | U  | 3                    | U  |
| Barium    | ug/L  | 69                  | BE | 104                 | BE | 155                 | BE | 59.7                 | BE | 130                  | BE | 76.2                 | BE |
| Cadmium   | ug/L  | 2                   | U  | 2                   | U  | 2                   | U  | 2                    | B  | 2                    | U  | 2                    | U  |
| Chromium  | ug/L  | 2                   | U  | 2.8                 | B  | 2                   | U  | 10.3                 | U  | 2                    | U  | 2                    | U  |
| Copper    | ug/L  | 2                   | U  | 3.7                 | B  | 8.6                 | B  | 39.7                 | B  | 3                    | B  | 2                    | U  |
| Lead      | ug/L  | 1                   | U  | 1                   | U  | 1                   | U  | 1.9                  | B  | 2.4                  | B  | 4                    | U  |
| Mercury   | ug/L  | 0.2                 | U  | 0.2                 | U  | 0.2                 | U  | 0.2                  | U  | 0.2                  | U  | 0.2                  | U  |
| Nickel    | ug/L  | 8                   | U  | 18.8                | B  | 17                  | B  | 17.1                 | B  | 43.8                 | U  | 32.7                 | B  |
| Selenium  | ug/L  | 3                   | U  | 3                   | U  | 3                   | U  | 3                    | U  | 3                    | U  | 3                    | U  |
| Silver    | ug/L  | 1                   | U  | 1                   | U  | 1                   | U  | 1                    | U  | 1                    | U  | 1                    | U  |
| Zinc      | ug/L  | 17                  | B  | 33.6                | B  | 67.8                | B  | 18.5                 | B  | 15.4                 | B  | 9.6                  | B  |

Round 2 Groundwater Sample Test Results  
Metals

Remedial Investigation  
Stuart - Olver - Holz  
Site No. 8-28-079  
Henrietta, New York

| Parameter | Units | SOH-3-TB<br>10/4/95 |    | SOH-OW-8S<br>10/3/95 |    | SOH-2-DUP1<br>10/3/95 |    | SOH-2-TB<br>10/3/95 |    | SOH-IW-1R<br>10/6/95 |   | SOH-2-EB-1<br>10/3/95 |    |
|-----------|-------|---------------------|----|----------------------|----|-----------------------|----|---------------------|----|----------------------|---|-----------------------|----|
|           |       | Q                   |    | Q                    |    | Q                     |    | Q                   |    | Q                    |   | Q                     |    |
| Arsenic   | ug/L  | NA                  | NA | 3                    | U  | 3                     | U  | NA                  | NA | 23.3                 | S | NA                    | NA |
| Barium    | ug/L  | NA                  | NA | 35.6                 | BE | 34.4                  | BE | NA                  | NA | 109                  | B | NA                    | NA |
| Cadmium   | ug/L  | NA                  | NA | 2                    | U  | 2                     | U  | NA                  | NA | 787                  |   | NA                    | NA |
| Chromium  | ug/L  | NA                  | NA | 2                    | U  | 2                     | U  | NA                  | NA | 4380                 |   | NA                    | NA |
| Copper    | ug/L  | NA                  | NA | 2                    | U  | 2                     | U  | NA                  | NA | 708                  |   | NA                    | NA |
| Lead      | ug/L  | NA                  | NA | 1                    | U  | 1                     | U  | NA                  | NA | 72.7                 |   | NA                    | NA |
| Mercury   | ug/L  | NA                  | NA | 0.2                  | U  | 0.2                   | U  | NA                  | NA | 0.2                  | U | NA                    | NA |
| Nickel    | ug/L  | NA                  | NA | 91.7                 |    | 86.1                  |    | NA                  | NA | 2410                 |   | NA                    | NA |
| Selenium  | ug/L  | NA                  | NA | 3                    | U  | 3                     | U  | NA                  | NA | 3                    | U | NA                    | NA |
| Silver    | ug/L  | NA                  | NA | 1                    | U  | 1                     | U  | NA                  | NA | 18.3                 |   | NA                    | NA |
| Zinc      | ug/L  | NA                  | NA | 21.8                 |    | 11.2                  | B  | NA                  | NA | 4280                 |   | NA                    | NA |

Round 2 Groundwater Sample Test Results  
Metals

Remedial Investigation  
Stuart - Oliver - Holtz  
Site No. 8-28-079  
Henrietta, New York

| Parameter | Units | SOH-OW-3R<br>10/5/95 |    | SOH-OW-4R<br>10/5/95 |    | SOH-OW-7R<br>10/5/95 |     | SOH-IW-2R<br>10/6/95 |    |
|-----------|-------|----------------------|----|----------------------|----|----------------------|-----|----------------------|----|
|           |       | Q                    |    | Q                    |    | Q                    |     | Q                    |    |
| Arsenic   | ug/L  | 3                    | UJ | 3                    | UJ | 3.8                  | BWJ | 8.2                  | BJ |
| Barium    | ug/L  | 4.8                  | B  | 11.1                 | B  | 33.4                 | B   | 60.9                 | B  |
| Cadmium   | ug/L  | 2                    | U  | 2                    | U  | 2                    | U   | 288                  |    |
| Chromium  | ug/L  | 3.5                  | B  | 2.5                  | B  | 2                    | U   | 207                  |    |
| Copper    | ug/L  | 8.7                  | B  | 4.5                  | B  | 10.3                 | B   | 378                  |    |
| Lead      | ug/L  | 1                    | U  | 1                    | U  | 1                    | UJ  | 75.8                 |    |
| Mercury   | ug/L  | 0.41                 |    | 0.2                  | U  | 0.22                 |     | 0.34                 |    |
| Nickel    | ug/L  | 8                    | U  | 8                    | U  | 40.1                 |     | 4660                 |    |
| Selenium  | ug/L  | 3                    | UJ | 3                    | UJ | 3                    | U   | 3                    | U  |
| Silver    | ug/L  | 1.3                  | B  | 1                    | U  | 1                    | U   | 4.7                  | B  |
| Zinc      | ug/L  | 22.2                 |    | 20.7                 |    | 46.3                 |     | 955                  |    |

Round 2 Groundwater Sample Test Results  
Metals

Remedial Investigation  
Stuart - Oliver - Holtz  
Site No. 8-28-079  
Henrietta, New York

| Parameter | Units | SOH-2-DUP2<br>10/5/95 |    | SOH-EB-2<br>10/5/95 |    | SOH-5-TB<br>10/6/95 |    | SOH-4-TB<br>10/5/95 |    |
|-----------|-------|-----------------------|----|---------------------|----|---------------------|----|---------------------|----|
|           |       | Q                     |    | Q                   |    | Q                   |    | Q                   |    |
| Arsenic   | ug/L  | 3                     | U  | 3                   | U  | NA                  | NA | NA                  | NA |
| Barium    | ug/L  | 31.9                  | B  | 1                   | U  | NA                  | NA | NA                  | NA |
| Cadmium   | ug/L  | 2                     | U  | 2                   | U  | NA                  | NA | NA                  | NA |
| Chromium  | ug/L  | 2                     | U  | 2                   | U  | NA                  | NA | NA                  | NA |
| Copper    | ug/L  | 14.1                  | B  | 2                   | U  | NA                  | NA | NA                  | NA |
| Lead      | ug/L  | 1                     | UJ | 1                   | UJ | NA                  | NA | NA                  | NA |
| Mercury   | ug/L  | 0.2                   | U  | 0.2                 | U  | NA                  | NA | NA                  | NA |
| Nickel    | ug/L  | 48.4                  | B  | 8                   | U  | NA                  | NA | NA                  | NA |
| Selenium  | ug/L  |                       | R  | 3                   | U  | NA                  | NA | NA                  | NA |
| Silver    | ug/L  | 1                     | B  | 1                   | U  | NA                  | NA | NA                  | NA |
| Zinc      | ug/L  | 35.8                  | B  | 2.9                 | B  | NA                  | NA | NA                  | NA |

**Round 1**  
**Ruby Gordon Sump Water Sample Test Results**

Ruby Gordon Sump Water Sample Test Results  
Volatile Organic Compounds

Remedial Investigation  
Stuart-Oliver-Holtz  
Site No. 8-28-079  
Henriette, New York

| Parameter                 | SUMP-1<br>10/27/94 |   | SUMP-2<br>10/27/94 |   | SUMP-2 DL<br>10/27/94 |     | SUMP-3<br>10/27/94 |   | SUMP-3 DL<br>10/27/94 |    |
|---------------------------|--------------------|---|--------------------|---|-----------------------|-----|--------------------|---|-----------------------|----|
|                           | (ug/l)             | Q | (ug/l)             | Q | (ug/l)                | Q   | (ug/l)             | Q | (ug/l)                | Q  |
| Chloromethane             | 10                 | U | 10                 | U | 100                   | U   | 10                 | U | 100                   | U  |
| Bromomethane              | 10                 | U | 10                 | U | 100                   | U   | 10                 | U | 100                   | U  |
| Vinyl chloride            | 10                 | U | 17                 | U | 17                    | JD  | 10                 | U | 100                   | U  |
| Chloroethane              | 10                 | U | 10                 | U | 100                   | U   | 10                 | U | 100                   | U  |
| Methylene chloride        | 10                 | U | 84                 | B | 100                   | U   | 76                 | B | 100                   | UB |
| Acetone                   | 10                 | U | 10                 | U | 100                   | U   | 10                 | U | 100                   | U  |
| Carbon Disulfide          | 10                 | U | 10                 | U | 100                   | U   | 10                 | U | 100                   | U  |
| 1,1-Dichloroethane        | 6                  | J | 10                 | U | 100                   | U   | 10                 | U | 100                   | U  |
| 1,1-Dichloroethane        | 39                 | J | 720                | E | 630                   | D   | 530                | E | 450                   | D  |
| 1,2-Dichloroethane(Total) | 9                  | J | 650                | E | 590                   | D   | 580                | E | 540                   | D  |
| Chloroform                | 10                 | U | 10                 | U | 100                   | U   | 10                 | U | 100                   | U  |
| 1,2-Dichloroethane        | 10                 | U | 3                  | J | 100                   | U   | 3                  | J | 100                   | U  |
| 2-Butanone                | 10                 | U | 10                 | U | 100                   | U   | 10                 | U | 100                   | U  |
| 1,1,1-Trichloroethane     | 16                 | U | 1200               | E | 2000                  | D   | 1200               | E | 1600                  | D  |
| Carbon Tetrachloride      | 10                 | U | 10                 | U | 100                   | U   | 10                 | U | 100                   | U  |
| Bromodichloromethane      | 10                 | U | 10                 | U | 100                   | U   | 10                 | U | 100                   | U  |
| 1,2-Dichloropropane       | 10                 | U | 10                 | U | 100                   | U   | 10                 | U | 100                   | U  |
| cis-1,3-Dichloropropene   | 10                 | U | 10                 | U | 100                   | U   | 10                 | U | 100                   | U  |
| Trichloroethene           | 5                  | J | 560                | E | 550                   | D   | 540                | E | 530                   | D  |
| Dibromochloromethane      | 10                 | U | 10                 | U | 100                   | U   | 10                 | U | 100                   | U  |
| 1,1,2-Trichloroethane     | 10                 | U | 8                  | J | 19                    | JD  | 8                  | J | 100                   | U  |
| Benzene                   | 10                 | U | 10                 | U | 100                   | U   | 10                 | U | 100                   | U  |
| trans-1,3-Dichloropropene | 10                 | U | 10                 | U | 100                   | U   | 10                 | U | 100                   | U  |
| Bromoform                 | 10                 | U | 10                 | U | 15                    | JND | 1                  | J | 100                   | U  |
| 4-Methyl-2-Pentanone      | 10                 | U | 10                 | U | 21                    | JND | 2                  | J | 100                   | U  |
| 2-Hexanone                | 10                 | U | 10                 | U | 100                   | U   | 10                 | U | 100                   | U  |
| Tetrachloroethene         | 3                  | J | 150                | U | 130                   | D   | 95                 | J | 74                    | J  |
| 1,1,2,2-Tetrachloroethane | 10                 | U | 10                 | U | 23                    | JND | 2                  | J | 100                   | U  |
| Toluene                   | 10                 | U | 10                 | U | 100                   | U   | 10                 | U | 100                   | U  |
| Chlorobenzene             | 10                 | U | 10                 | U | 100                   | U   | 10                 | U | 100                   | U  |
| Ethylbenzene              | 10                 | U | 10                 | U | 100                   | U   | 10                 | U | 100                   | U  |
| Styrene                   | 10                 | U | 10                 | U | 100                   | U   | 10                 | U | 100                   | U  |
| Xylene (total)            | 10                 | U | 10                 | U | 100                   | U   | 10                 | U | 100                   | U  |

Ruby Gordon Sump Water Sample Test Results  
Semi-Volatile Organic Compounds

Remedial Investigation  
Stuart-Oliver-Holtz  
Site No. 8-28-079  
Henrietta, New York

| Parameter                     | SUMP-1<br>10/27/94<br>(ug/l) |    | SUMP-2<br>10/27/94<br>(ug/l) |    | SUMP-3<br>10/27/94<br>(ug/l) |    |
|-------------------------------|------------------------------|----|------------------------------|----|------------------------------|----|
|                               | Q                            |    | Q                            |    | Q                            |    |
| Phenol                        | 10                           | U  | 10                           | U  | 10                           | U  |
| bis(2-chloroethyl) Ether      | 10                           | U  | 10                           | U  | 10                           | U  |
| 2-Chlorophenol                | 10                           | U  | 10                           | U  | 10                           | U  |
| 1,3-Dichlorobenzene           | 10                           | U  | 10                           | U  | 10                           | U  |
| 1,4-Dichlorobenzene           | 10                           | U  | 10                           | U  | 10                           | U  |
| 1,2 Dichlorobenzene           | 10                           | U  | 10                           | U  | 10                           | U  |
| 2-Methylphenol                | 10                           | U  | 10                           | U  | 10                           | U  |
| 2,2'-oxybis (1-Chloropropane) | 10                           | U  | 10                           | U  | 10                           | U  |
| 4-Methylphenol                | 10                           | U  | 10                           | U  | 10                           | U  |
| N-Nitroso-Di-n-Propylamine    | 10                           | U  | 10                           | U  | 10                           | U  |
| Hexachloroethane              | 10                           | U  | 10                           | U  | 10                           | U  |
| Nitrobenzene                  | 10                           | U  | 10                           | U  | 10                           | U  |
| Isophorone                    | 10                           | U  | 10                           | U  | 10                           | U  |
| 2-Nitrophenol                 | 10                           | U  | 10                           | U  | 10                           | U  |
| 2,4-Dimethylphenol            | 10                           | U  | 10                           | U  | 10                           | U  |
| bis(2-Chloroethoxy)Methane    | 10                           | U  | 10                           | U  | 10                           | U  |
| 2,4-Dichlorophenol            | 10                           | U  | 10                           | U  | 10                           | U  |
| 1,2,4-Trichlorobenzene        | 10                           | U  | 10                           | U  | 10                           | U  |
| Naphthalene                   | 10                           | U  | 10                           | U  | 10                           | U  |
| 4-Chloroaniline               | 10                           | U  | 10                           | U  | 10                           | U  |
| Hexachlorobutadiene           | 10                           | U  | 10                           | U  | 10                           | U  |
| 4-Chloro-3-Methylphenol       | 10                           | U  | 10                           | U  | 10                           | U  |
| 2-Methylnaphthalene           | 10                           | U  | 10                           | U  | 10                           | U  |
| Hexachlorocyclopentadiene     | 10                           | U  | 10                           | U  | 10                           | U  |
| 2,4,6-Trichlorophenol         | 10                           | U  | 10                           | U  | 10                           | U  |
| 2,4,5-Trichlorophenol         | 25                           | U  | 25                           | U  | 25                           | U  |
| 2-Chloronaphthalene           | 10                           | U  | 10                           | U  | 10                           | U  |
| 2-Nitroaniline                | 25                           | U  | 25                           | U  | 25                           | U  |
| Dimethyl Phthalate            | 10                           | U  | 10                           | U  | 10                           | U  |
| Acenaphthylene                | 10                           | U  | 10                           | U  | 10                           | U  |
| 2,6-Dinitrotoluene            | 10                           | U  | 10                           | U  | 10                           | U  |
| 3-Nitroaniline                | 25                           | U  | 25                           | U  | 25                           | U  |
| Acenaphthene                  | 10                           | U  | 10                           | U  | 10                           | U  |
| 2,4-Dinitrophenol             | 25                           | UJ | 25                           | UJ | 25                           | UJ |



Ruby Gordon Sump Water Sample Test Results  
Semi-Volatile Organic Compounds

Remedial Investigation  
Stuart-Oliver-Holtz  
Site No. 8-28-079  
Henrietta, New York

| Parameter                    | SUMP-1<br>10/27/94<br>(ug/l) |    | SUMP-2<br>10/27/94<br>(ug/l) |    | SUMP-3<br>10/27/94<br>(ug/l) |    |
|------------------------------|------------------------------|----|------------------------------|----|------------------------------|----|
|                              | Q                            |    | Q                            |    | Q                            |    |
| 4-Nitrophenol                | 25                           | U  | 25                           | U  | 25                           | U  |
| Dibenzofuran                 | 10                           | U  | 10                           | U  | 10                           | U  |
| 2,4-Dinitrotoluene           | 10                           | U  | 10                           | U  | 10                           | U  |
| Diethylphthalate             | 10                           | U  | 10                           | U  | 10                           | U  |
| 4-Chlorophenyl-Phenylether   | 10                           | U  | 10                           | U  | 10                           | U  |
| Fluorene                     | 10                           | U  | 10                           | U  | 10                           | U  |
| 4-Nitroaniline               | 25                           | U  | 25                           | U  | 25                           | U  |
| 4,6-Dinitro-2-Methylphenol   | 25                           | U  | 25                           | U  | 25                           | U  |
| N-Nitrosodiphenylamine       | 10                           | U  | 10                           | U  | 10                           | U  |
| 4-Bromophenyl-phenylether    | 10                           | U  | 10                           | U  | 10                           | U  |
| Hexachlorobenzene            | 10                           | U  | 10                           | U  | 10                           | U  |
| Pentachlorophenol            | 25                           | U  | 25                           | U  | 25                           | U  |
| Phenanthrene                 | 10                           | U  | 5                            | J  | 10                           | U  |
| Anthracene                   | 10                           | U  | 1                            | J  | 10                           | U  |
| Carbazole                    | 10                           | U  | 1                            | J  | 10                           | U  |
| Di-n-Butylphthalate          | 10                           | U  | 10                           | U  | 10                           | U  |
| Fluoranthene                 | 10                           | U  | 11                           | J  | 10                           | U  |
| Pyrene                       | 10                           | U  | 8                            | J  | 10                           | U  |
| Butylbenzylphthalate         | 10                           | U  | 10                           | U  | 10                           | U  |
| 3,3'-Dichlorobenzidine       | 10                           | U  | 10                           | U  | 10                           | U  |
| Benzo (a) Anthracene         | 10                           | U  | 3                            | J  | 10                           | U  |
| Chrysene                     | 10                           | U  | 4                            | J  | 10                           | U  |
| Bis (2-Ethylhexyl) Phthalate | 2                            | J  | 1                            | J  | 2                            | J  |
| Di-n-Octyl Phthalate         | 10                           | UJ | 10                           | UJ | 10                           | UJ |
| Benzo (b) Fluoranthene       | 10                           | U  | 4                            | J  | 10                           | U  |
| Benzo (k) Fluoranthene       | 10                           | U  | 3                            | J  | 10                           | U  |
| Benzo (a) Pyrene             | 10                           | U  | 4                            | J  | 10                           | U  |
| Indeno (1,2,3-cd) Pyrene     | 10                           | U  | 4                            | J  | 10                           | U  |
| Dibenz (a,h) Anthracene      | 10                           | U  | 1                            | J  | 10                           | U  |
| Benzo(g,h,i) Perylene        | 10                           | U  | 4                            | J  | 10                           | U  |

Ruby Gordon Sump Water Sample Test Results  
PCB's/Pesticides

Remedial Investigation  
Stuart-Oliver-Holtz  
Site No. 8-28-079  
Henrietta, New York

| Parameter          | SUMP-1<br>10/27/94<br>(ug/l) |    | SUMP-2<br>10/27/94<br>(ug/l) |    | SUMP-3<br>10/27/94<br>(ug/l) |    |
|--------------------|------------------------------|----|------------------------------|----|------------------------------|----|
|                    | Q                            |    | Q                            |    | Q                            |    |
| PESTICIDES         |                              |    |                              |    |                              |    |
| alpha-BHC          | 0.05                         | UJ | 0.05                         | UJ | 0.05                         | UJ |
| beta-BHC           | 0.05                         | UJ | 0.05                         | UJ | 0.05                         | UJ |
| delta-BHC          | 0.05                         | UJ | 0.05                         | UJ | 0.05                         | UJ |
| gamma-BHC          | 0.05                         | U  | 0.05                         | U  | 0.05                         | U  |
| Heptachlor         | 0.05                         | U  | 0.05                         | U  | 0.05                         | U  |
| Aldrin             | 0.05                         | U  | 0.05                         | U  | 0.05                         | U  |
| Heptachlor Epoxide | 0.05                         | U  | 0.05                         | U  | 0.05                         | U  |
| Endosulfan I       | 0.05                         | U  | 0.05                         | U  | 0.05                         | U  |
| Dieldrin           | 0.1                          | U  | 0.1                          | U  | 0.1                          | U  |
| 4,4'-DDE           | 0.1                          | U  | 0.1                          | U  | 0.1                          | U  |
| Endrin             | 0.1                          | U  | 0.1                          | U  | 0.1                          | U  |
| Endosulfan II      | 0.1                          | U  | 0.1                          | U  | 0.1                          | U  |
| 4,4'-DDD           | 0.1                          | U  | 0.1                          | U  | 0.1                          | U  |
| Endosulfan Sulfate | 0.1                          | U  | 0.1                          | U  | 0.1                          | U  |
| 4,4'-DDT           | 0.1                          | U  | 0.1                          | U  | 0.1                          | U  |
| Methoxychlor       | 0.5                          | U  | 0.5                          | U  | 0.5                          | U  |
| Endrin Ketone      | 0.1                          | U  | 0.1                          | U  | 0.1                          | U  |
| Endrin Aldehyde    | 0.1                          | U  | 0.1                          | U  | 0.1                          | U  |
| alpha-Chlordane    | 0.05                         | U  | 0.05                         | U  | 0.05                         | U  |
| gamma-Chlordane    | 0.05                         | U  | 0.05                         | U  | 0.05                         | U  |
| Toxaphene          | 5                            | U  | 5                            | U  | 5                            | U  |
| PCB's              |                              |    |                              |    |                              |    |
| Aroclor-1016       | 1                            | U  | 1                            | U  | 1                            | U  |
| Aroclor-1221       | 2                            | U  | 2                            | U  | 2                            | U  |
| Aroclor-1232       | 1                            | U  | 1                            | U  | 1                            | U  |
| Aroclor-1242       | 1                            | U  | 1                            | U  | 1                            | U  |
| Aroclor-1248       | 1                            | U  | 1                            | U  | 1                            | U  |
| Aroclor-1254       | 1                            | U  | 1                            | U  | 1                            | U  |
| Aroclor-1260       | 1                            | U  | 1                            | U  | 1                            | U  |

Ruby Gordon Sump Water Sample Test Results  
Metals/Others

Remedial Investigation  
Stuart-Oliver-Holtz  
Site No. 8-28-079  
Henrietta, New York

| Parameter     | SUMP-1<br>10/27/94<br>(mg/l) |      | SUMP-2<br>10/27/94<br>(mg/l) |     | SUMP-3<br>10/27/94<br>(mg/l) |     |
|---------------|------------------------------|------|------------------------------|-----|------------------------------|-----|
|               | Q                            |      | Q                            |     | Q                            |     |
| <b>METALS</b> |                              |      |                              |     |                              |     |
| Aluminum      | 106                          | B    | 951                          |     | 36.5                         | B   |
| Antimony      | 12.1                         | B    | 12                           | U   | 12                           | U   |
| Arsenic       | 2                            | U    | 2                            | U   | 2                            | U   |
| Barium        | 94.7                         | B    | 270                          |     | 163                          | B   |
| Beryllium     | 1                            | U    | 1                            | U   | 1                            | U   |
| Cadmium       | 3                            | U    | 3                            | U   | 3                            | U   |
| Calcium       | 118000                       |      | 218000                       |     | 157000                       |     |
| Chromium      | 2                            | U    | 4.4                          | B   | 2.6                          | B   |
| Cobalt        | 2                            | U    | 3.8                          | B   | 2.1                          | B   |
| Copper        | 5.1                          | B    | 53.8                         |     | 59.4                         |     |
| Iron          | 63                           | B    | 3650                         |     | 181                          |     |
| Lead          | 1.5                          | NBJ  | 19.6                         | SNJ | 1.5                          | BJ  |
| Magnesium     | 52800                        |      | 94100                        |     | 74000                        |     |
| Manganese     | 96.9                         |      | 191                          |     | 68.2                         |     |
| Mercury       | 0.24                         | U    | 0.24                         | U   | 0.24                         | U   |
| Nickel        | 12                           | U    | 12                           | U   | 13.2                         | B   |
| Potassium     | 22400                        |      | 9070                         |     | 9930                         |     |
| Selenium      | 1.3                          | WBNU | 1                            | WUJ | 1                            | WUJ |
| Silver        | 2.3                          | B    | 2.6                          | B   | 3.4                          | B   |
| Sodium        | 123000                       |      | 479000                       |     | 260000                       |     |
| Thallium      | 1                            | U    | 1                            | WUJ | 1                            | U   |
| Vanadium      | 3                            | U    | 4.2                          | B   | 3                            | U   |
| Zinc          | 31.1                         |      | 89                           |     | 60.4                         |     |
| <b>OTHERS</b> |                              |      |                              |     |                              |     |
| Cyanide       | 10                           | U    | 10                           | U   | 10                           | U   |
| Alkalinity    | 240                          |      | 360                          |     | 360                          |     |
| Hardness      | 1100                         |      | 1400                         |     | 570                          |     |

Round 2  
Ruby Gordon Sump Water Sample Test Results

Round 2 Ruby Gordon Sump Water Sample Test Results  
Volatile Organic Compounds

Remedial Investigation  
Stuart - Over - Holtz  
Site No. 8-28-079  
Henrietta, New York

| Parameter                   | Units | RG-SUMP-1<br>10/5/95 |   | RG-SUMP-2<br>10/5/95 |   | RG-SUMP-3<br>10/5/95 |   |
|-----------------------------|-------|----------------------|---|----------------------|---|----------------------|---|
|                             |       | Q                    | Q | Q                    | Q | Q                    | Q |
| Chloromethane               | ug/L  | 10                   | U | 10                   | U | 100                  | U |
| Bromomethane                | ug/L  | 10                   | U | 10                   | U | 100                  | U |
| Vinyl chloride              | ug/L  | 10                   | U | 30                   | J | 15                   | J |
| Chloroethane                | ug/L  | 10                   | U | 8.8                  | J | 100                  | U |
| Methylene chloride          | ug/L  | 4                    | J | 120                  | J | 59                   | J |
| Acetone                     | ug/L  | 10                   | U | 10                   | U | 100                  | U |
| Carbon disulfide            | ug/L  | 10                   | U | 10                   | U | 100                  | U |
| 1,1-Dichloroethene          | ug/L  | 3.6                  | J | 120                  | J | 80                   | J |
| 1,1-Dichloroethane          | ug/L  | 26                   | J | 750                  | D | 310                  | J |
| 1,2-Dichloroethene (total)  | ug/L  | 5.2                  | J | 760                  | D | 290                  | J |
| Chloroform                  | ug/L  | 10                   | U | 10                   | U | 100                  | U |
| 1,2-Dichloroethane          | ug/L  | 10                   | U | 41                   | J | 100                  | U |
| 2-Butanone (MEK)            | ug/L  | 10                   | U | 10                   | U | 100                  | U |
| 1,1,1-Trichloroethane       | ug/L  | 15                   | J | 3200                 | D | 1200                 | J |
| Carbon tetrachloride        | ug/L  | 10                   | U | 10                   | U | 100                  | U |
| Bromodichloromethane        | ug/L  | 10                   | U | 10                   | U | 100                  | U |
| 1,2-Dichloropropane         | ug/L  | 10                   | U | 10                   | U | 100                  | U |
| cis-1,3-Dichloropropene     | ug/L  | 10                   | U | 10                   | U | 100                  | U |
| Trichloroethene (TCE)       | ug/L  | 4.4                  | J | 460                  | D | 210                  | J |
| Dibromochloromethane        | ug/L  | 10                   | U | 10                   | U | 100                  | U |
| 1,1,2-Trichloroethane       | ug/L  | 10                   | U | 10                   | U | 100                  | U |
| Benzene                     | ug/L  | 10                   | U | 10                   | U | 100                  | U |
| trans-1,3-Dichloropropene   | ug/L  | 10                   | U | 10                   | U | 100                  | U |
| Bromoform                   | ug/L  | 10                   | U | 10                   | U | 100                  | U |
| 4-Methyl-2-pentanone (MIBK) | ug/L  | 10                   | U | 10                   | U | 100                  | U |
| 2-Hexanone                  | ug/L  | 10                   | U | 10                   | U | 100                  | U |
| Tetrachloroethene           | ug/L  | 4.6                  | J | 180                  | J | 76                   | J |
| 1,1,2,2-Tetrachloroethane   | ug/L  | 10                   | U | 10                   | U | 100                  | U |
| Toluene                     | ug/L  | 10                   | U | 10                   | U | 100                  | U |
| Chlorobenzene               | ug/L  | 10                   | U | 10                   | U | 100                  | U |
| Ethylbenzene                | ug/L  | 10                   | U | 10                   | U | 100                  | U |
| Styrene                     | ug/L  | 10                   | U | 10                   | U | 100                  | U |
| Xylenes (total)             | ug/L  | 1.6                  | J | 10                   | U | 100                  | U |

Round 2 Ruby Gordon Sump Water Sample Test Results  
Semi-Volatile Organic Compounds

Remedial Investigation  
Stuart - Oliver - Holtz  
Site No. 8-28-079  
Henrietta, New York

| Parameter                     | Units | RG-SUMP-1<br>10/5/95 |    | RG-SUMP-2<br>10/5/95 |    | RG-SUMP-3<br>10/5/95 |    |
|-------------------------------|-------|----------------------|----|----------------------|----|----------------------|----|
|                               |       | Q                    | Q  | Q                    | Q  | Q                    | Q  |
| Phenol                        | ug/L  | NA                   | NA | NA                   | NA | NA                   | NA |
| Bis(2-chloroethyl)ether       | ug/L  | NA                   | NA | NA                   | NA | NA                   | NA |
| 2-Chlorophenol                | ug/L  | NA                   | NA | NA                   | NA | NA                   | NA |
| 1,3-Dichlorobenzene           | ug/L  | NA                   | NA | NA                   | NA | NA                   | NA |
| 1,4-Dichlorobenzene           | ug/L  | NA                   | NA | NA                   | NA | NA                   | NA |
| 1,2-Dichlorobenzene           | ug/L  | NA                   | NA | NA                   | NA | NA                   | NA |
| 2-Methylphenol                | ug/L  | NA                   | NA | NA                   | NA | NA                   | NA |
| 2,2'-Oxybis (1-chloropropane) | ug/L  | NA                   | NA | NA                   | NA | NA                   | NA |
| 4-Methylphenol                | ug/L  | NA                   | NA | NA                   | NA | NA                   | NA |
| N-Nitrosodi-n-propylamine     | ug/L  | NA                   | NA | NA                   | NA | NA                   | NA |
| Hexachloroethane              | ug/L  | NA                   | NA | NA                   | NA | NA                   | NA |
| Nitrobenzene                  | ug/L  | NA                   | NA | NA                   | NA | NA                   | NA |
| Isophorone                    | ug/L  | NA                   | NA | NA                   | NA | NA                   | NA |
| 2-Nitrophenol                 | ug/L  | NA                   | NA | NA                   | NA | NA                   | NA |
| 2,4-Dimethylphenol            | ug/L  | NA                   | NA | NA                   | NA | NA                   | NA |
| Bis(2-chloroethoxy)methane    | ug/L  | NA                   | NA | NA                   | NA | NA                   | NA |
| 2,4-Dichlorophenol            | ug/L  | NA                   | NA | NA                   | NA | NA                   | NA |
| 1,2,4-Trichlorobenzene        | ug/L  | NA                   | NA | NA                   | NA | NA                   | NA |
| Naphthalene                   | ug/L  | NA                   | NA | NA                   | NA | NA                   | NA |
| 4-Chloroaniline               | ug/L  | NA                   | NA | NA                   | NA | NA                   | NA |
| Hexachlorobutadiene           | ug/L  | NA                   | NA | NA                   | NA | NA                   | NA |
| 4-Chloro-3-methylphenol       | ug/L  | NA                   | NA | NA                   | NA | NA                   | NA |
| 2-Methylnaphthalene           | ug/L  | NA                   | NA | NA                   | NA | NA                   | NA |
| Hexachlorocyclopentadiene     | ug/L  | NA                   | NA | NA                   | NA | NA                   | NA |
| 2,4,6-Trichlorophenol         | ug/L  | NA                   | NA | NA                   | NA | NA                   | NA |
| 2,4,5-Trichlorophenol         | ug/L  | NA                   | NA | NA                   | NA | NA                   | NA |
| 2-Chloronaphthalene           | ug/L  | NA                   | NA | NA                   | NA | NA                   | NA |
| 2-Nitroaniline                | ug/L  | NA                   | NA | NA                   | NA | NA                   | NA |
| Dimethyl phthalate            | ug/L  | NA                   | NA | NA                   | NA | NA                   | NA |
| Acenaphthylene                | ug/L  | NA                   | NA | NA                   | NA | NA                   | NA |
| 2,6-Dinitrotoluene            | ug/L  | NA                   | NA | NA                   | NA | NA                   | NA |
| 3-Nitroaniline                | ug/L  | NA                   | NA | NA                   | NA | NA                   | NA |
| Acenaphthene                  | ug/L  | NA                   | NA | NA                   | NA | NA                   | NA |
| 2,4-Dinitrophenol             | ug/L  | NA                   | NA | NA                   | NA | NA                   | NA |

Round 2 Ruby Gordon Sump Water Sample Test Results  
Semi-Volatile Organic Compounds

Remedial Investigation  
Stuart - Oliver - Holtz  
Site No. 8-28-079  
Henrietta, New York

| Parameter                   | Units | RG-SUMP-1<br>10/5/95 |    | RG-SUMP-2<br>10/5/95 |    | RG-SUMP-3<br>10/5/95 |    |
|-----------------------------|-------|----------------------|----|----------------------|----|----------------------|----|
|                             |       | Q                    | Q  | Q                    | Q  | Q                    | Q  |
| 4-Nitrophenol               | ug/L  | NA                   | NA | NA                   | NA | NA                   | NA |
| Dibenzofuran                | ug/L  | NA                   | NA | NA                   | NA | NA                   | NA |
| 2,4-Dinitrotoluene          | ug/L  | NA                   | NA | NA                   | NA | NA                   | NA |
| Diethyl phthalate           | ug/L  | NA                   | NA | NA                   | NA | NA                   | NA |
| 4-Chlorophenyl phenyl ether | ug/L  | NA                   | NA | NA                   | NA | NA                   | NA |
| Fluorene                    | ug/L  | NA                   | NA | NA                   | NA | NA                   | NA |
| 4-Nitroaniline              | ug/L  | NA                   | NA | NA                   | NA | NA                   | NA |
| 4,6-Dinitro-2-methylphenol  | ug/L  | NA                   | NA | NA                   | NA | NA                   | NA |
| N-Nitrosodiphenylamine      | ug/L  | NA                   | NA | NA                   | NA | NA                   | NA |
| 4-Bromophenyl phenyl ether  | ug/L  | NA                   | NA | NA                   | NA | NA                   | NA |
| Hexachlorobenzene           | ug/L  | NA                   | NA | NA                   | NA | NA                   | NA |
| Pentachlorophenol           | ug/L  | NA                   | NA | NA                   | NA | NA                   | NA |
| Phenanthrene                | ug/L  | NA                   | NA | NA                   | NA | NA                   | NA |
| Anthracene                  | ug/L  | NA                   | NA | NA                   | NA | NA                   | NA |
| Carbazole                   | ug/L  | NA                   | NA | NA                   | NA | NA                   | NA |
| Di-n-butyl phthalate        | ug/L  | NA                   | NA | NA                   | NA | NA                   | NA |
| Fluoranthene                | ug/L  | NA                   | NA | NA                   | NA | NA                   | NA |
| Pyrene                      | ug/L  | NA                   | NA | NA                   | NA | NA                   | NA |
| Butyl benzyl phthalate      | ug/L  | NA                   | NA | NA                   | NA | NA                   | NA |
| 3,3'-Dichlorobenzidine      | ug/L  | NA                   | NA | NA                   | NA | NA                   | NA |
| Benzo[a]anthracene          | ug/L  | NA                   | NA | NA                   | NA | NA                   | NA |
| Chrysene                    | ug/L  | NA                   | NA | NA                   | NA | NA                   | NA |
| Bis(2-ethylhexyl)phthalate  | ug/L  | NA                   | NA | NA                   | NA | NA                   | NA |
| Di-n-octyl phthalate        | ug/L  | NA                   | NA | NA                   | NA | NA                   | NA |
| Benzo[b]fluoranthene        | ug/L  | NA                   | NA | NA                   | NA | NA                   | NA |
| Benzo[k]fluoranthene        | ug/L  | NA                   | NA | NA                   | NA | NA                   | NA |
| Benzo[a]pyrene              | ug/L  | NA                   | NA | NA                   | NA | NA                   | NA |
| Indeno[1,2,3-cd]pyrene      | ug/L  | NA                   | NA | NA                   | NA | NA                   | NA |
| Dibenz[a,h]anthracene       | ug/L  | NA                   | NA | NA                   | NA | NA                   | NA |
| Benzo[g,h,i]perylene        | ug/L  | NA                   | NA | NA                   | NA | NA                   | NA |

Round 2 Ruby Gordon Sump Water Sample Test Results  
Metals

Remedial Investigation  
Stuart - Olver - Holtz  
Site No. 8-28-079  
Henrietta, New York

| Parameter | Units | RG-SUMP-1<br>10/5/95 |    | RG-SUMP-2<br>10/5/95 |    | RG-SUMP-3<br>10/5/95 |    |
|-----------|-------|----------------------|----|----------------------|----|----------------------|----|
|           |       | Q                    |    | Q                    |    | Q                    |    |
| Arsenic   | ug/L  | NA                   | NA | NA                   | NA | NA                   | NA |
| Barium    | ug/L  | NA                   | NA | NA                   | NA | NA                   | NA |
| Cadmium   | ug/L  | NA                   | NA | NA                   | NA | NA                   | NA |
| Chromium  | ug/L  | NA                   | NA | NA                   | NA | NA                   | NA |
| Copper    | ug/L  | NA                   | NA | NA                   | NA | NA                   | NA |
| Lead      | ug/L  | NA                   | NA | NA                   | NA | NA                   | NA |
| Mercury   | ug/L  | NA                   | NA | NA                   | NA | NA                   | NA |
| Nickel    | ug/L  | NA                   | NA | NA                   | NA | NA                   | NA |
| Selenium  | ug/L  | NA                   | NA | NA                   | NA | NA                   | NA |
| Silver    | ug/L  | NA                   | NA | NA                   | NA | NA                   | NA |
| Zinc      | ug/L  | NA                   | NA | NA                   | NA | NA                   | NA |



**Trip/Field Blank Sample Test Results**

Trip / Field Blank Sample Test Results  
Volatile Organic Compounds

Remedial Investigation  
Stuart-Oliver-Holtz  
Site No. 8-28-079  
Henrietta, New York

| Parameter                  | TB-1<br>10/19/94<br>(ug/l) |    | TB-2<br>10/20/94<br>(ug/l) |   | TB-3<br>10/24/96<br>(ug/l) |    | TB-4<br>10/27/94<br>(ug/l) |   | TB-5<br>10/25/94<br>(ug/l) |   | TB-6<br>10/26/94<br>(ug/l) |   | TB-7<br>10/26/94<br>(ug/l) |   | TB-8<br>10/27/94<br>(ug/l) |   | TB-9<br>11/2/94<br>(ug/l) |   |
|----------------------------|----------------------------|----|----------------------------|---|----------------------------|----|----------------------------|---|----------------------------|---|----------------------------|---|----------------------------|---|----------------------------|---|---------------------------|---|
|                            | Q                          |    | Q                          |   | Q                          |    | Q                          |   | Q                          |   | Q                          |   | Q                          |   | Q                          |   | Q                         |   |
| Chloromethane              | 10                         | U  | 10                         | U | 10                         | U  | 10                         | U | 10                         | U | 10                         | U | 10                         | U | 10                         | U | 10                        | U |
| Bromomethane               | 10                         | U  | 10                         | U | 10                         | U  | 10                         | U | 10                         | U | 10                         | U | 10                         | U | 10                         | U | 10                        | U |
| Vinyl chloride             | 10                         | U  | 10                         | U | 10                         | U  | 10                         | U | 10                         | U | 10                         | U | 10                         | U | 10                         | U | 10                        | U |
| Chloroethane               | 10                         | U  | 10                         | U | 10                         | U  | 10                         | U | 10                         | U | 10                         | U | 10                         | U | 10                         | U | 10                        | U |
| Methylene chloride         | 10                         | U  | 10                         | U | 10                         | U  | 10                         | U | 10                         | U | 10                         | U | 10                         | U | 10                         | U | 10                        | U |
| Acetone                    | 10                         | UJ | 10                         | U | 10                         | UJ | 10                         | U | 10                         | U | 10                         | U | 10                         | U | 10                         | U | 10                        | U |
| Carbon Disulfide           | 10                         | U  | 10                         | U | 10                         | U  | 10                         | U | 10                         | U | 10                         | U | 10                         | U | 10                         | U | 10                        | U |
| 1,1-Dichloroethane         | 10                         | U  | 10                         | U | 10                         | U  | 10                         | U | 10                         | U | 10                         | U | 10                         | U | 10                         | U | 10                        | U |
| 1,1-Dichloroethene         | 10                         | U  | 10                         | U | 10                         | U  | 10                         | U | 10                         | U | 10                         | U | 10                         | U | 10                         | U | 10                        | U |
| 1,2-Dichloroethene (Total) | 10                         | UJ | 10                         | U | 10                         | U  | 10                         | U | 10                         | U | 10                         | U | 10                         | U | 10                         | U | 10                        | U |
| Chloroform                 | 10                         | U  | 10                         | U | 10                         | U  | 10                         | U | 10                         | U | 10                         | U | 10                         | U | 10                         | U | 10                        | U |
| 1,2-Dichloroethane         | 10                         | UJ | 10                         | U | 10                         | U  | 10                         | U | 10                         | U | 10                         | U | 10                         | U | 10                         | U | 10                        | U |
| 2-Butanone                 | 10                         | UJ | 10                         | U | 10                         | U  | 10                         | U | 10                         | U | 10                         | U | 10                         | U | 10                         | U | 10                        | U |
| 1,1,1-Trichloroethane      | 10                         | U  | 10                         | U | 10                         | U  | 10                         | U | 10                         | U | 10                         | U | 10                         | U | 10                         | U | 10                        | U |
| Carbon Tetrachloride       | 10                         | U  | 10                         | U | 10                         | U  | 10                         | U | 10                         | U | 10                         | U | 10                         | U | 10                         | U | 10                        | U |
| Bromodichloromethane       | 10                         | UJ | 10                         | U | 10                         | U  | 10                         | U | 10                         | U | 10                         | U | 10                         | U | 10                         | U | 10                        | U |
| 1,2-Dichloropropane        | 10                         | UJ | 10                         | U | 10                         | U  | 10                         | U | 10                         | U | 10                         | U | 10                         | U | 10                         | U | 10                        | U |
| cis-1,3-Dichloropropene    | 10                         | U  | 10                         | U | 10                         | U  | 10                         | U | 10                         | U | 10                         | U | 10                         | U | 10                         | U | 10                        | U |
| Trichloroethane            | 10                         | U  | 10                         | U | 10                         | U  | 10                         | U | 10                         | U | 10                         | U | 10                         | U | 10                         | U | 10                        | U |
| Dibromochloromethane       | 10                         | U  | 10                         | U | 10                         | U  | 10                         | U | 10                         | U | 10                         | U | 10                         | U | 10                         | U | 10                        | U |
| 1,1,2-Trichloroethane      | 10                         | U  | 10                         | U | 10                         | U  | 10                         | U | 10                         | U | 10                         | U | 10                         | U | 10                         | U | 10                        | U |
| Benzene                    | 10                         | U  | 10                         | U | 10                         | U  | 10                         | U | 10                         | U | 10                         | U | 10                         | U | 10                         | U | 10                        | U |
| trans-1,3-Dichloropropene  | 10                         | U  | 10                         | U | 10                         | U  | 10                         | U | 10                         | U | 10                         | U | 10                         | U | 10                         | U | 10                        | U |
| Bromoform                  | 10                         | UJ | 10                         | U | 10                         | U  | 10                         | U | 10                         | U | 10                         | U | 10                         | U | 10                         | U | 10                        | U |
| 4-Methyl-2-Pentanone       | 10                         | UJ | 10                         | U | 10                         | U  | 10                         | U | 10                         | U | 10                         | U | 10                         | U | 10                         | U | 10                        | U |
| 2-Hexanone                 | 10                         | U  | 10                         | U | 10                         | U  | 10                         | U | 10                         | U | 10                         | U | 10                         | U | 10                         | U | 10                        | U |
| Tetrachloroethene          | 10                         | U  | 10                         | U | 10                         | U  | 10                         | U | 10                         | U | 10                         | U | 10                         | U | 10                         | U | 10                        | U |
| 1,1,2,2-Tetrachloroethane  | 10                         | U  | 10                         | U | 10                         | U  | 10                         | U | 10                         | U | 10                         | U | 10                         | U | 10                         | U | 10                        | U |
| Toluene                    | 10                         | UJ | 10                         | U | 10                         | U  | 10                         | U | 10                         | U | 10                         | U | 10                         | U | 10                         | U | 10                        | U |
| Chlorobenzene              | 10                         | U  | 10                         | U | 10                         | U  | 10                         | U | 10                         | U | 10                         | U | 10                         | U | 10                         | U | 10                        | U |
| Ethylbenzene               | 10                         | U  | 10                         | U | 10                         | U  | 10                         | U | 10                         | U | 10                         | U | 10                         | U | 10                         | U | 10                        | U |
| Styrene                    | 10                         | U  | 10                         | U | 10                         | U  | 10                         | U | 10                         | U | 10                         | U | 10                         | U | 10                         | U | 10                        | U |
| Xylenes (total)            | 10                         | U  | 10                         | U | 10                         | U  | 10                         | U | 10                         | U | 10                         | U | 10                         | U | 10                         | U | 10                        | U |

Trip / Field Blank Sample Test Results  
Volatile Organic Compounds

Remedial Investigation  
Stuart-Oliver-Holtz  
Site No. B-28-079  
Henrietta, New York

| Parameter                  | F8-1<br>10/26/94<br>(ug/l) |    | TB-10<br>11/3/94<br>(ug/l) |    | TB-11<br>11/9/94<br>(ug/l) |    | TB-11<br>11/16/94<br>(ug/l) |    | TB-12<br>11/18/94<br>(ug/l) |   | TB-13<br>11/18/94<br>(ug/l) |    | TB-14<br>11/22/94<br>(ug/l) |    | TB-16<br>11/28/94<br>(ug/l) |    |
|----------------------------|----------------------------|----|----------------------------|----|----------------------------|----|-----------------------------|----|-----------------------------|---|-----------------------------|----|-----------------------------|----|-----------------------------|----|
|                            | Q                          |    | Q                          |    | Q                          |    | Q                           |    | Q                           |   | Q                           |    | Q                           |    | Q                           |    |
| Chloromethane              | 10                         | U  | 10                         | U  | 10                         | U  | 10                          | U  | 10                          | U | 10                          | U  | 10                          | U  | 10                          | U  |
| Bromomethane               | 10                         | UJ | 10                         | U  | 10                         | U  | 10                          | U  | 10                          | U | 10                          | U  | 10                          | UJ | 10                          | U  |
| Vinyl chloride             | 10                         | U  | 10                         | U  | 10                         | U  | 10                          | U  | 10                          | U | 10                          | U  | 10                          | U  | 10                          | U  |
| Chloroethane               | 10                         | U  | 10                         | U  | 10                         | U  | 10                          | U  | 10                          | U | 10                          | U  | 10                          | UJ | 10                          | U  |
| Methylene chloride         | 3                          | JB | 10                         | U  | 2                          | JB | 2                           | JB | 10                          | U | 10                          | U  | 10                          | U  | 3                           | JB |
| Acetone                    | 10                         | U  | 10                         | U  | 10                         | U  | 10                          | UJ | 10                          | U | 10                          | U  | 10                          | U  | 10                          | U  |
| Carbon Disulfide           | 10                         | U  | 10                         | U  | 10                         | U  | 10                          | U  | 10                          | U | 10                          | UJ | 10                          | UJ | 10                          | U  |
| 1,1-Dichloroethane         | 10                         | U  | 10                         | U  | 10                         | U  | 10                          | U  | 10                          | U | 10                          | U  | 10                          | U  | 10                          | U  |
| 1,1-Dichloroethane         | 10                         | U  | 10                         | U  | 10                         | U  | 10                          | U  | 10                          | U | 10                          | U  | 10                          | U  | 10                          | U  |
| 1,2-Dichloroethane (Total) | 10                         | U  | 10                         | U  | 10                         | U  | 10                          | U  | 10                          | U | 10                          | U  | 10                          | U  | 10                          | U  |
| Chloroform                 | 10                         | U  | 10                         | U  | 10                         | U  | 10                          | U  | 10                          | U | 10                          | U  | 10                          | U  | 10                          | U  |
| 1,2-Dichloroethane         | 10                         | U  | 10                         | U  | 10                         | U  | 10                          | U  | 10                          | U | 10                          | U  | 10                          | U  | 10                          | U  |
| 2-Butanone                 | 10                         | U  | 10                         | U  | 10                         | U  | 10                          | U  | 10                          | U | 10                          | UJ | 10                          | U  | 10                          | U  |
| 1,1,1-Trichloroethane      | 10                         | U  | 10                         | U  | 10                         | U  | 10                          | U  | 10                          | U | 10                          | U  | 10                          | U  | 10                          | U  |
| Carbon Tetrachloride       | 10                         | U  | 10                         | U  | 10                         | U  | 10                          | U  | 10                          | U | 10                          | U  | 10                          | U  | 10                          | U  |
| Bromodichloromethane       | 10                         | U  | 10                         | U  | 10                         | U  | 10                          | U  | 10                          | U | 10                          | U  | 10                          | U  | 10                          | U  |
| 1,2-Dichloropropane        | 10                         | U  | 10                         | U  | 10                         | U  | 10                          | U  | 10                          | U | 10                          | U  | 10                          | U  | 10                          | U  |
| cis-1,3-Dichloropropene    | 10                         | U  | 10                         | U  | 10                         | U  | 10                          | U  | 10                          | U | 10                          | U  | 10                          | U  | 10                          | U  |
| Trichloroethene            | 10                         | U  | 10                         | U  | 10                         | U  | 10                          | U  | 10                          | U | 10                          | U  | 10                          | U  | 10                          | U  |
| Dibromochloromethane       | 10                         | U  | 10                         | U  | 10                         | U  | 10                          | U  | 10                          | U | 10                          | U  | 10                          | U  | 10                          | U  |
| 1,1,2-Trichloroethane      | 10                         | U  | 10                         | U  | 10                         | U  | 10                          | U  | 10                          | U | 10                          | U  | 10                          | U  | 10                          | U  |
| Benzene                    | 10                         | U  | 10                         | U  | 10                         | U  | 10                          | U  | 10                          | U | 10                          | U  | 10                          | U  | 10                          | U  |
| trans-1,3-Dichloropropene  | 10                         | UJ | 10                         | U  | 10                         | U  | 10                          | U  | 10                          | U | 10                          | U  | 10                          | U  | 10                          | UJ |
| Bromoform                  | 10                         | U  | 10                         | U  | 10                         | U  | 10                          | UJ | 10                          | U | 10                          | U  | 10                          | U  | 10                          | U  |
| 4-Methyl-2-Pentanone       | 10                         | U  | 10                         | U  | 10                         | U  | 10                          | UJ | 10                          | U | 10                          | U  | 10                          | U  | 10                          | U  |
| 2-Hexanone                 | 10                         | U  | 10                         | UJ | 10                         | U  | 10                          | UJ | 10                          | U | 10                          | U  | 10                          | U  | 10                          | U  |
| Tetrachloroethane          | 10                         | U  | 10                         | U  | 10                         | U  | 10                          | U  | 10                          | U | 10                          | U  | 10                          | U  | 10                          | U  |
| 1,1,2,2-Tetrachloroethane  | 10                         | U  | 10                         | U  | 10                         | U  | 10                          | U  | 10                          | U | 10                          | U  | 10                          | U  | 10                          | U  |
| Toluene                    | 10                         | U  | 10                         | U  | 10                         | U  | 10                          | U  | 10                          | U | 10                          | U  | 10                          | U  | 10                          | U  |
| Chlorobenzene              | 10                         | U  | 10                         | U  | 10                         | U  | 10                          | U  | 10                          | U | 10                          | U  | 10                          | U  | 10                          | U  |
| Ethylbenzene               | 10                         | U  | 10                         | U  | 10                         | U  | 10                          | U  | 10                          | U | 10                          | U  | 10                          | U  | 10                          | U  |
| Styrene                    | 10                         | U  | 10                         | U  | 10                         | U  | 10                          | U  | 10                          | U | 10                          | U  | 10                          | U  | 10                          | U  |
| Xylene (Total)             | 1                          | J  | 10                         | U  | 10                         | U  | 10                          | U  | 10                          | U | 10                          | U  | 10                          | U  | 10                          | U  |

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